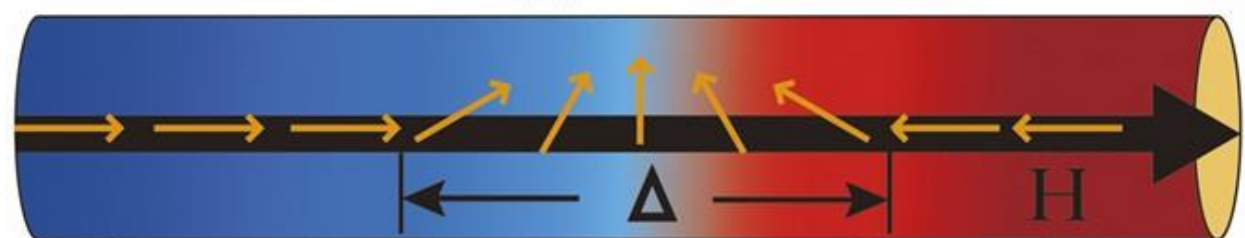
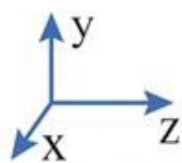
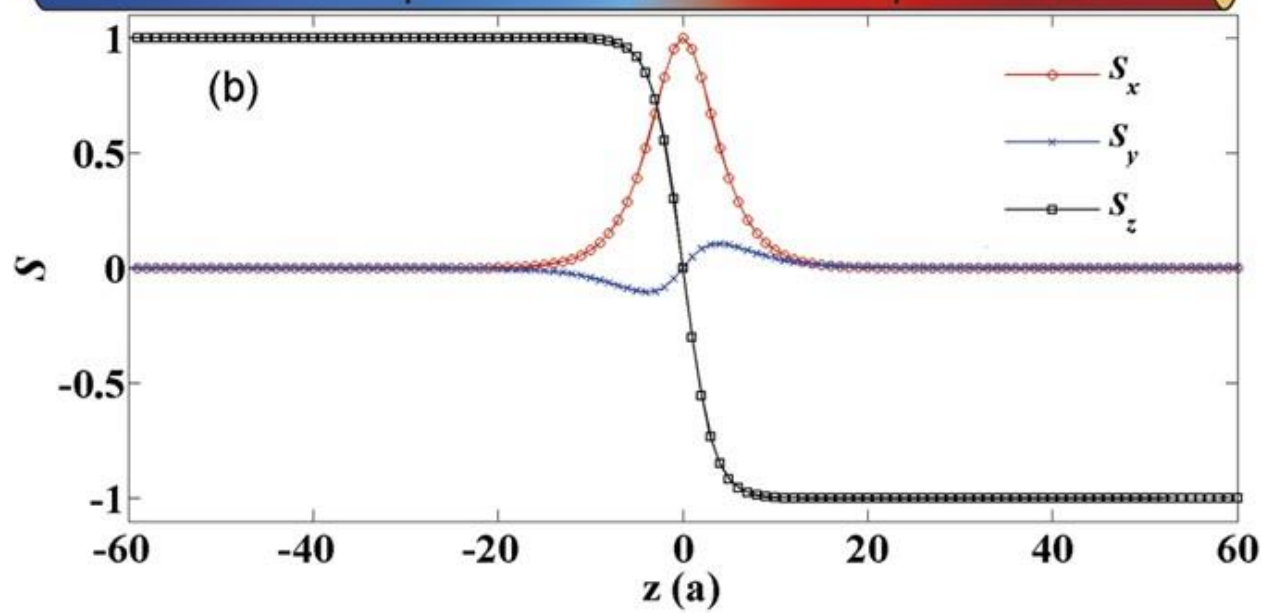
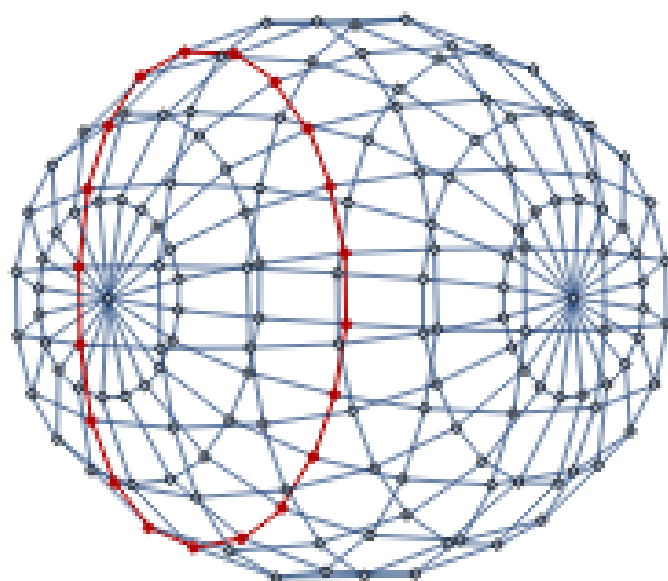
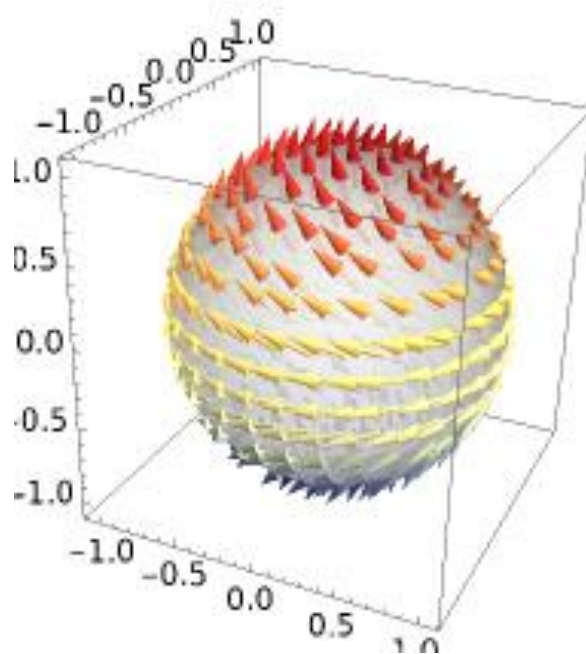
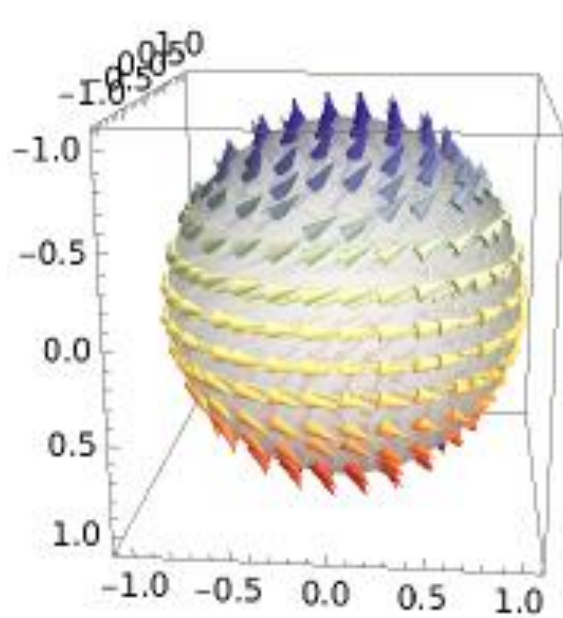
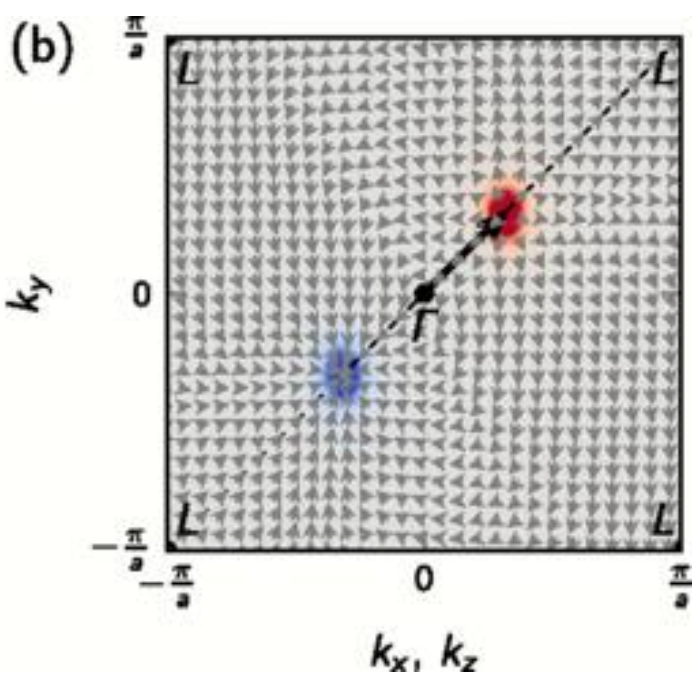
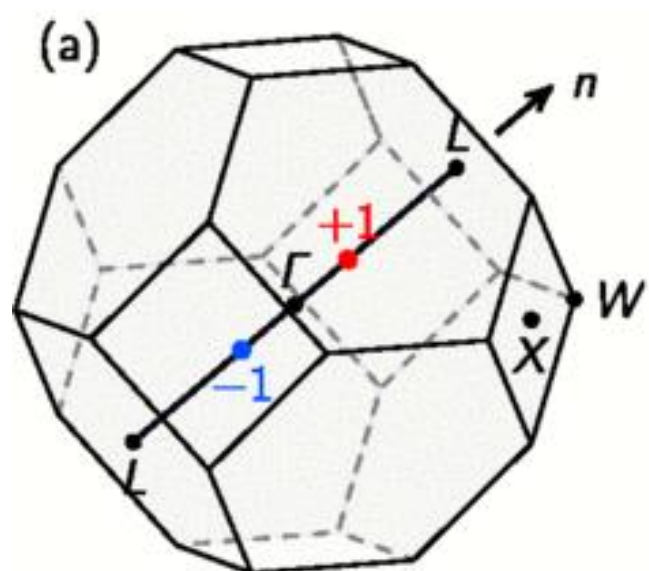


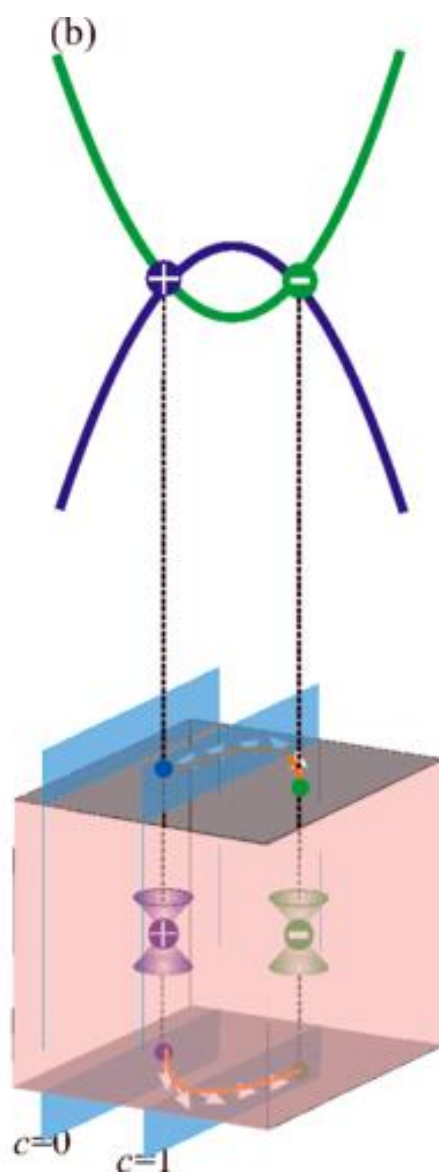
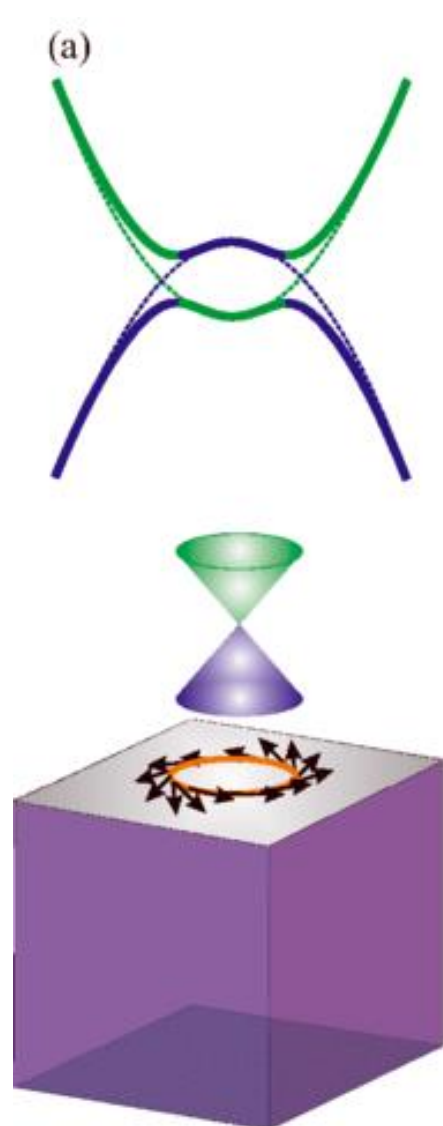
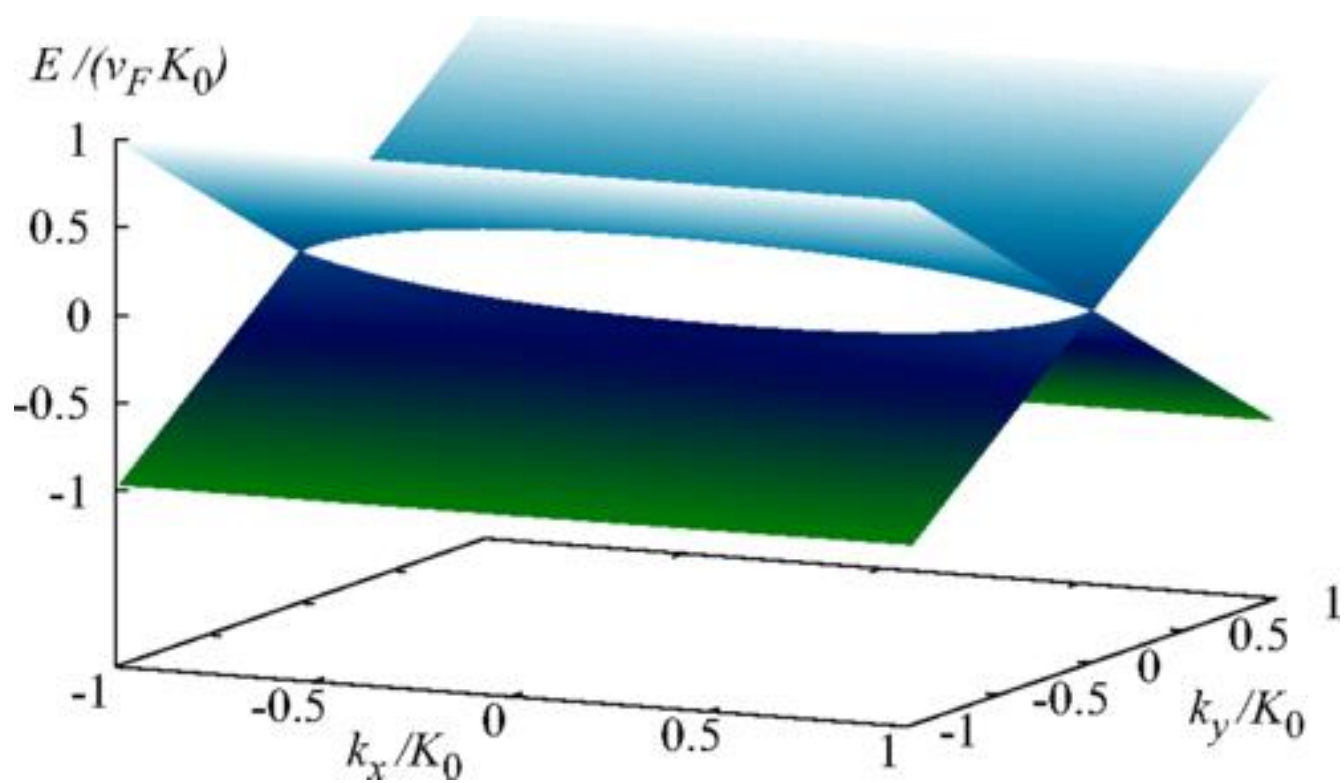
(a)

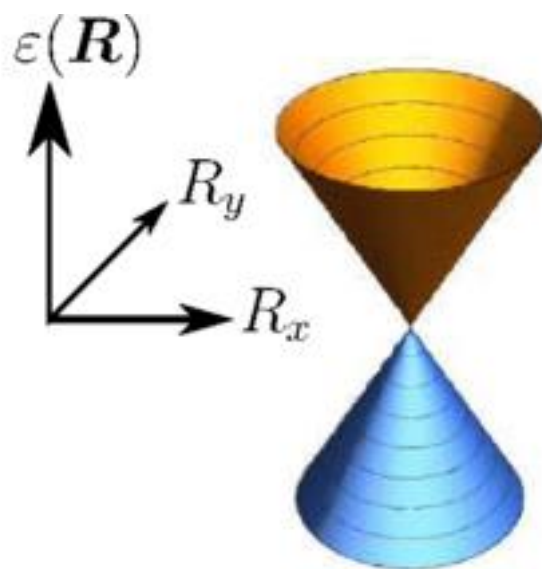
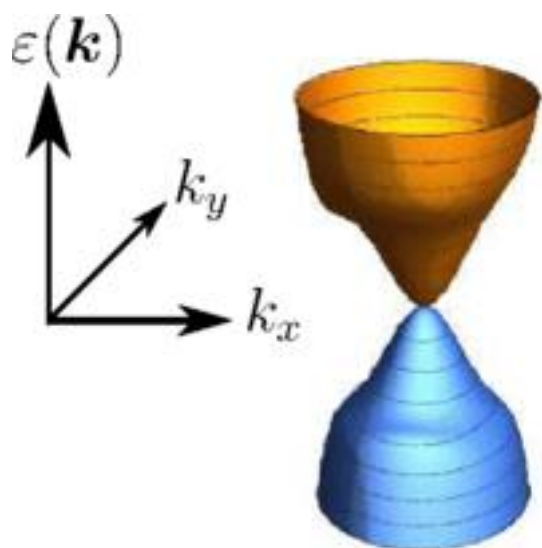
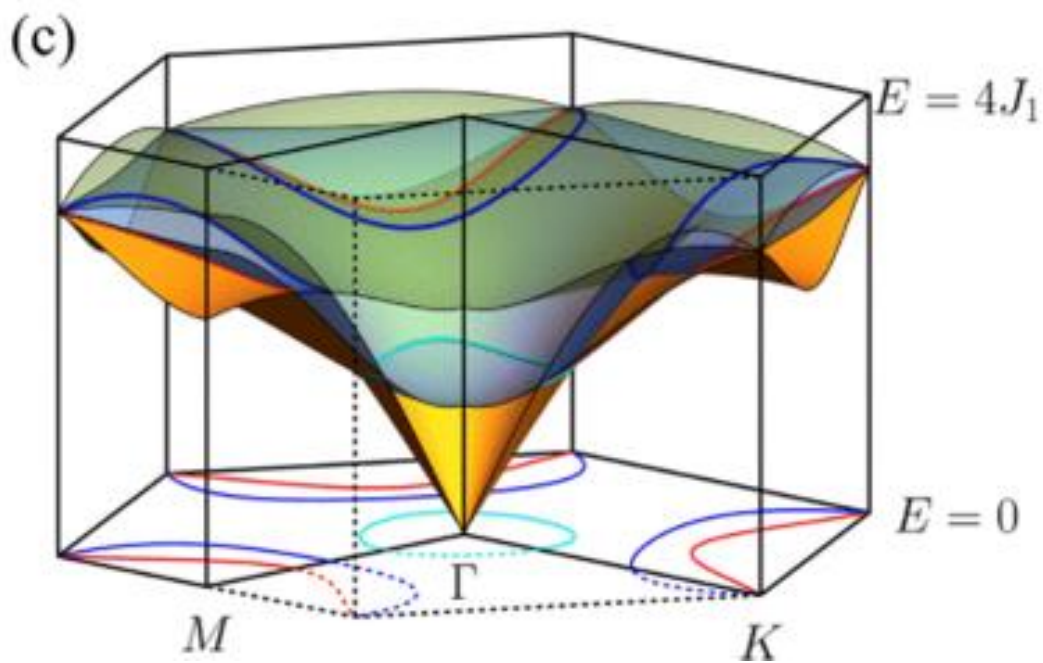
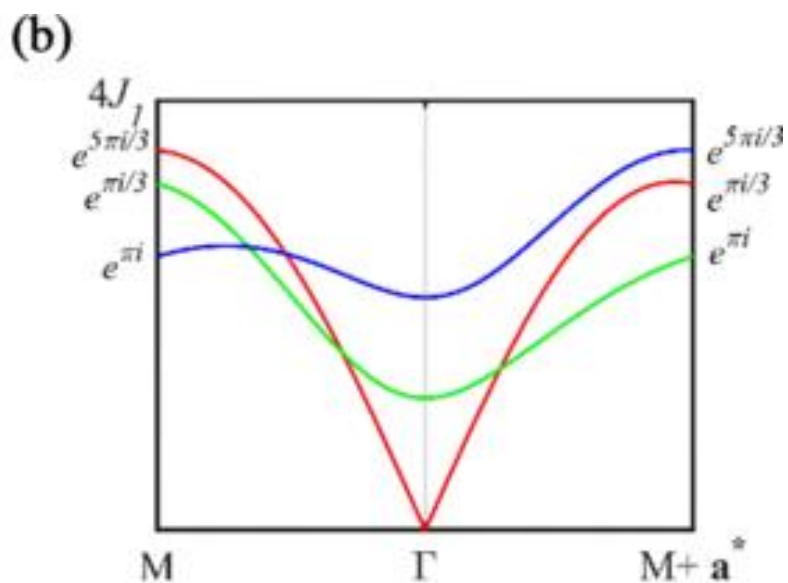
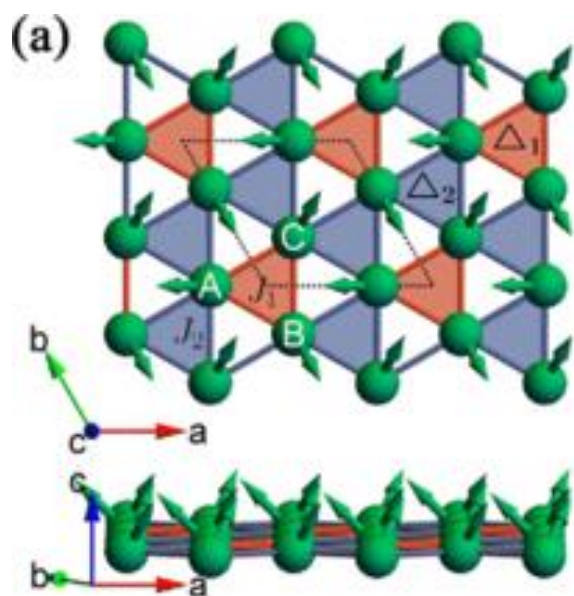


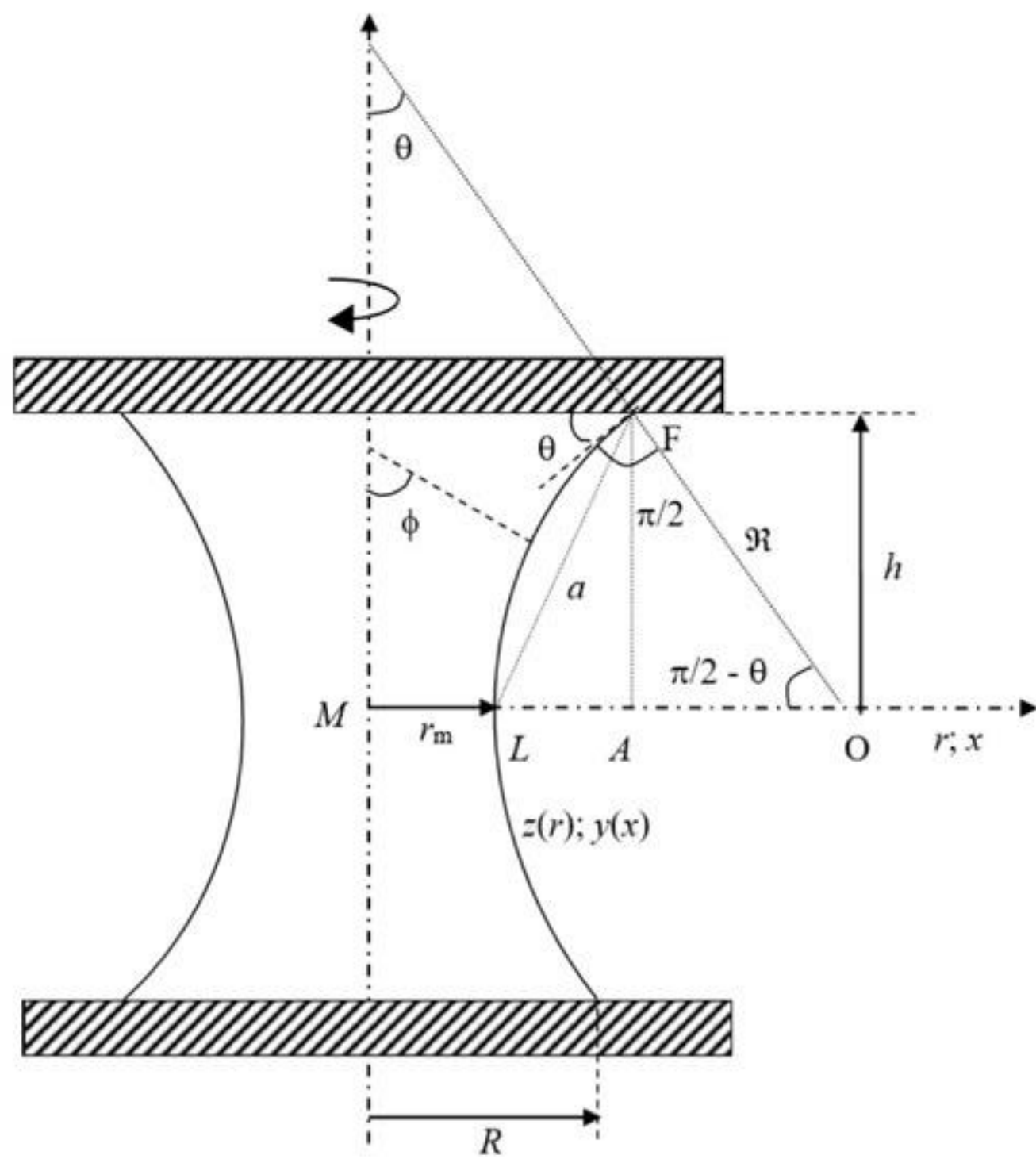
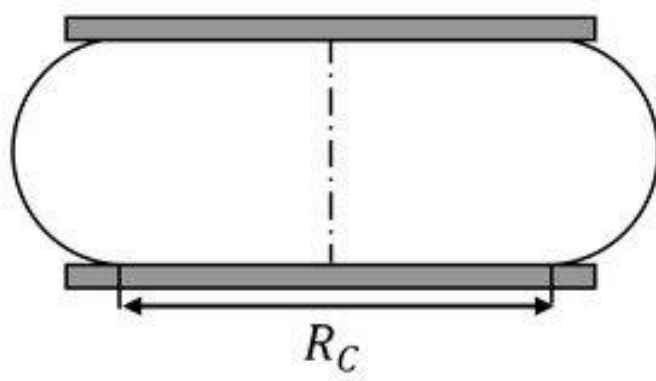
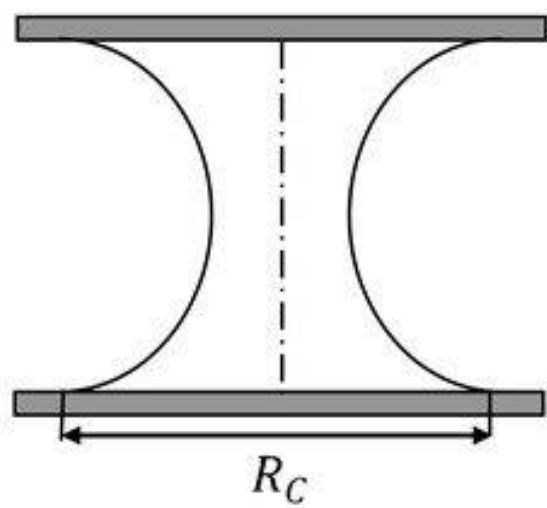
(b)

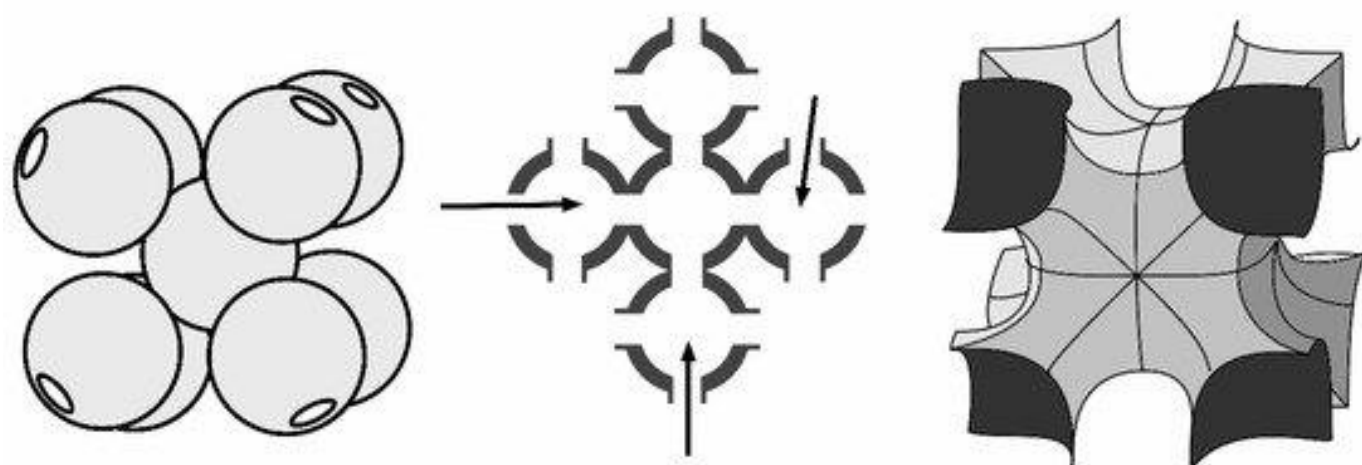
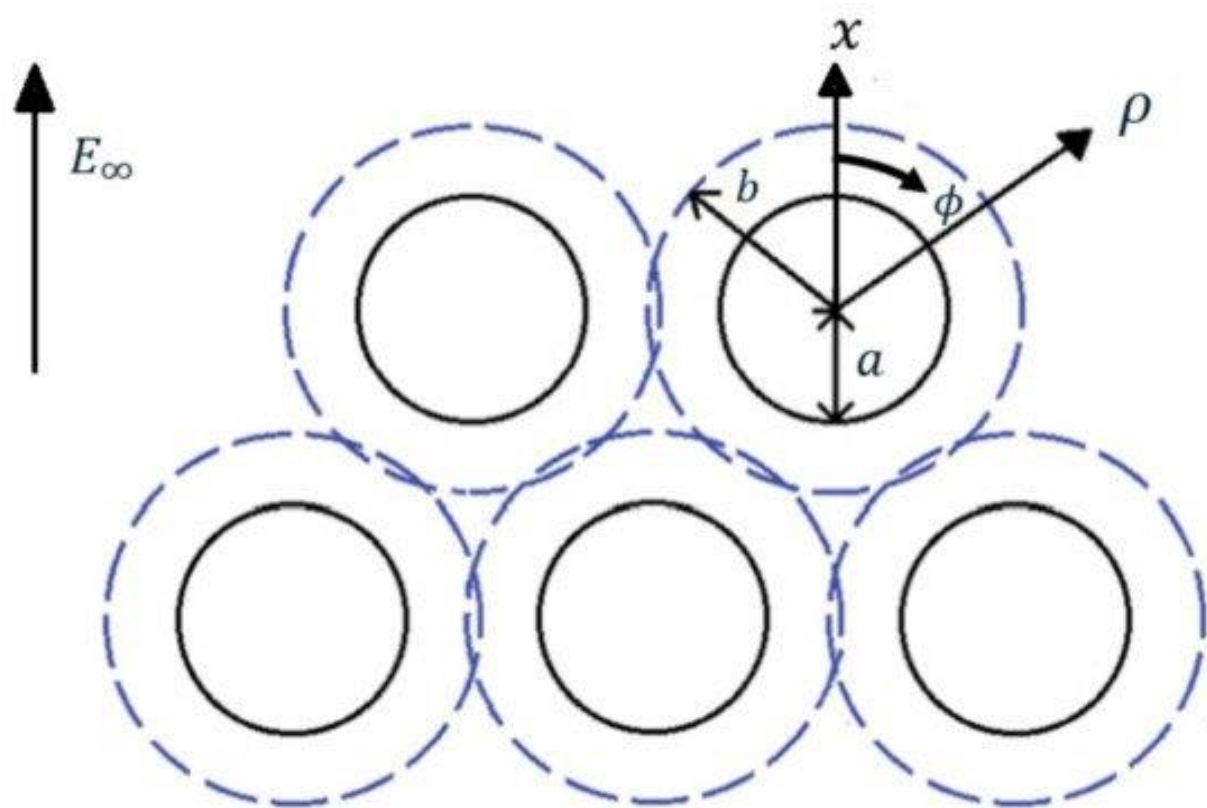
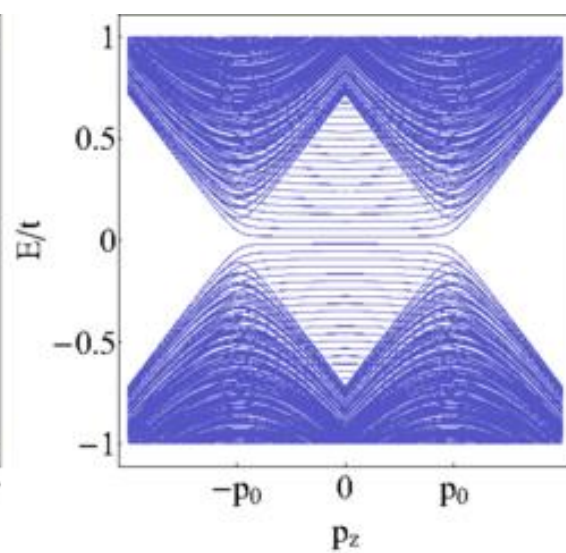
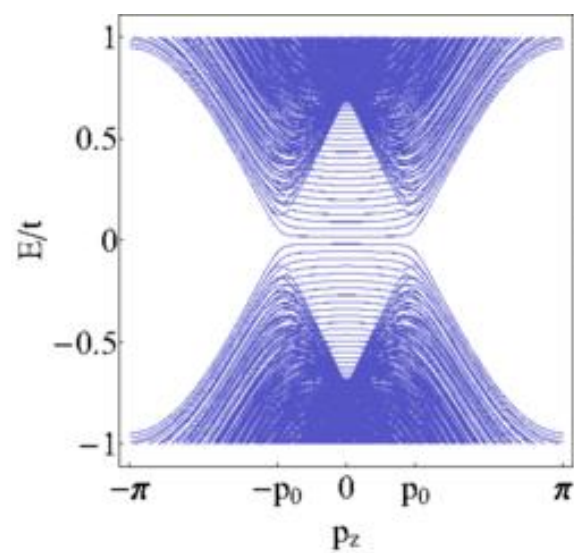


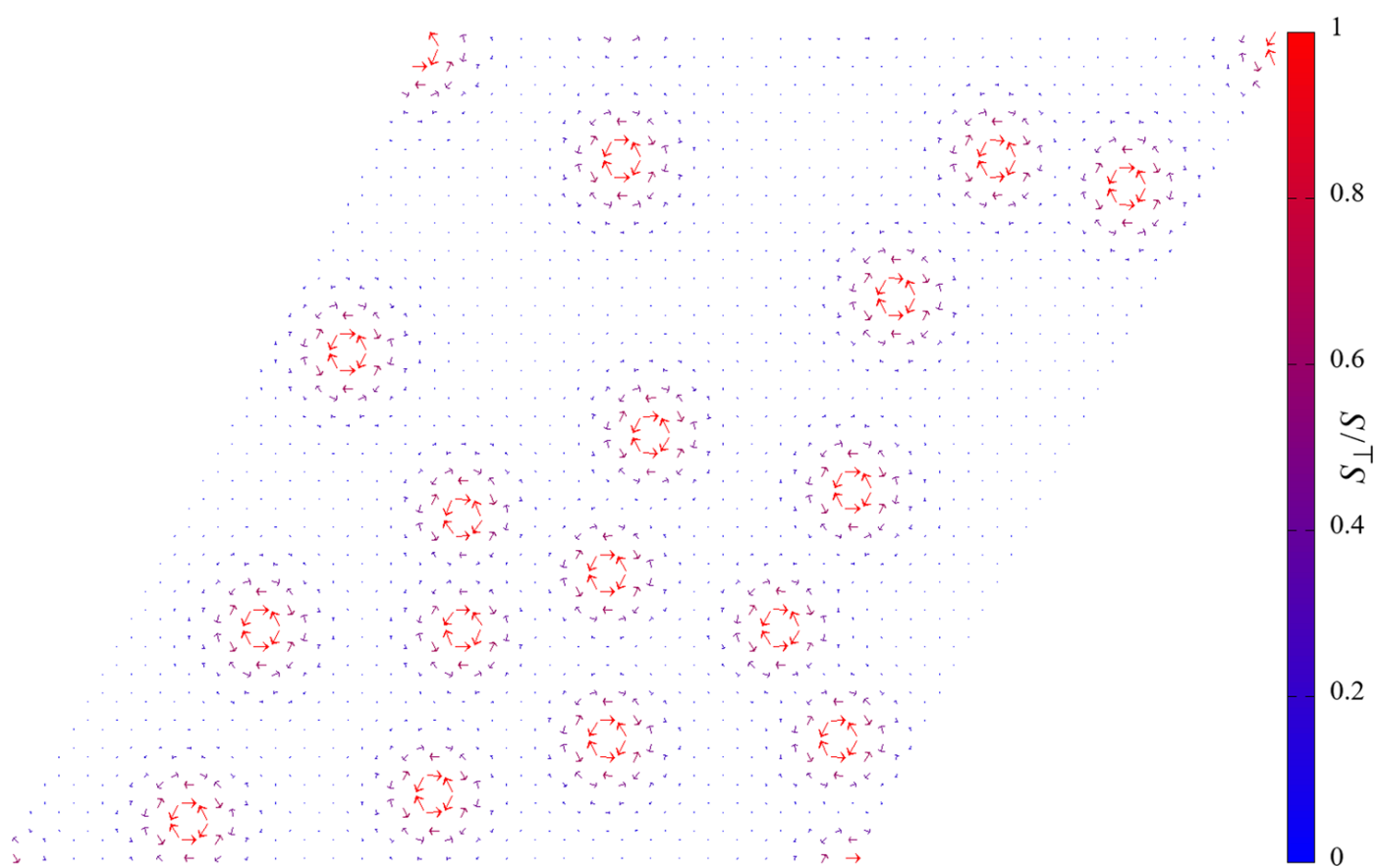
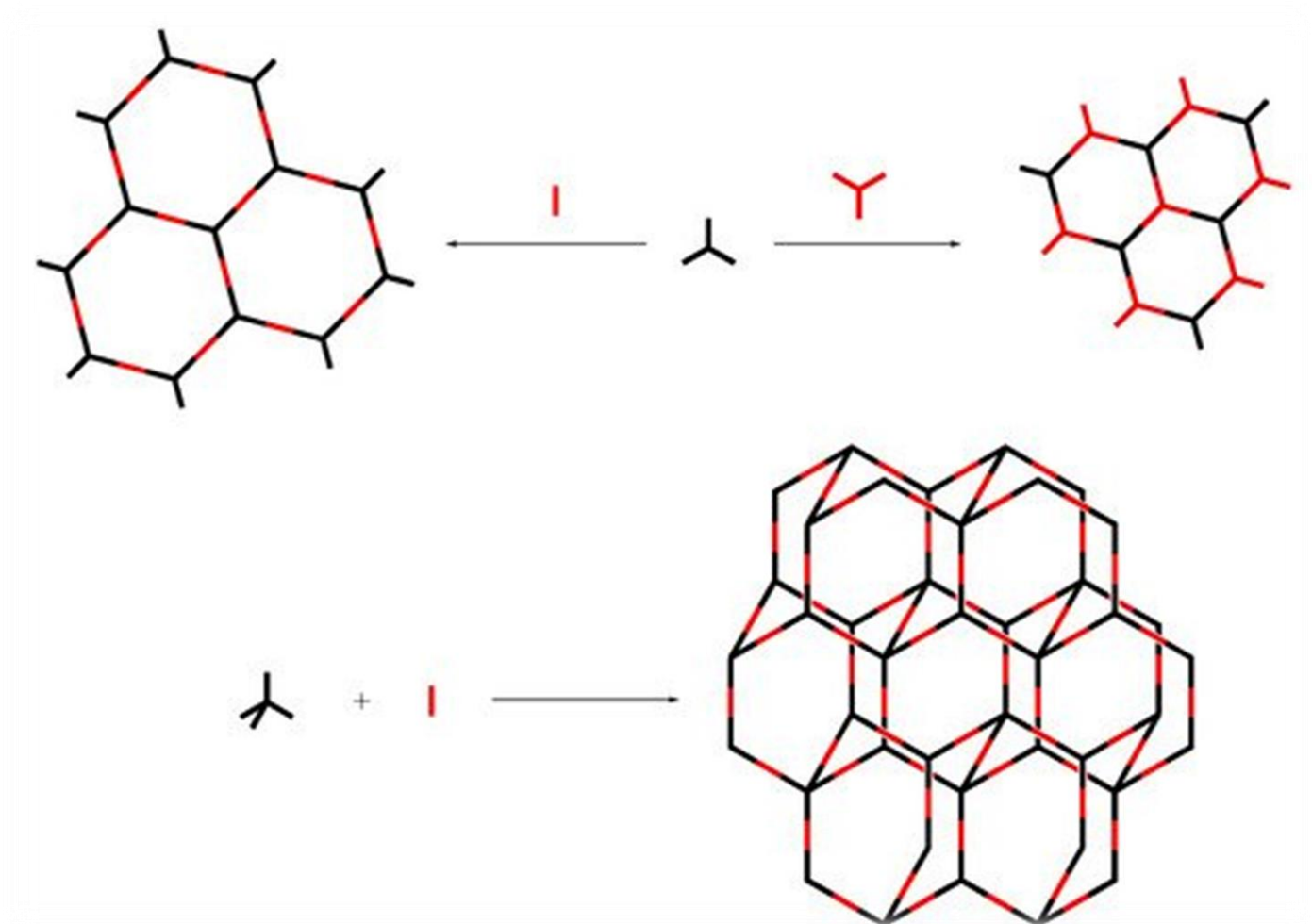


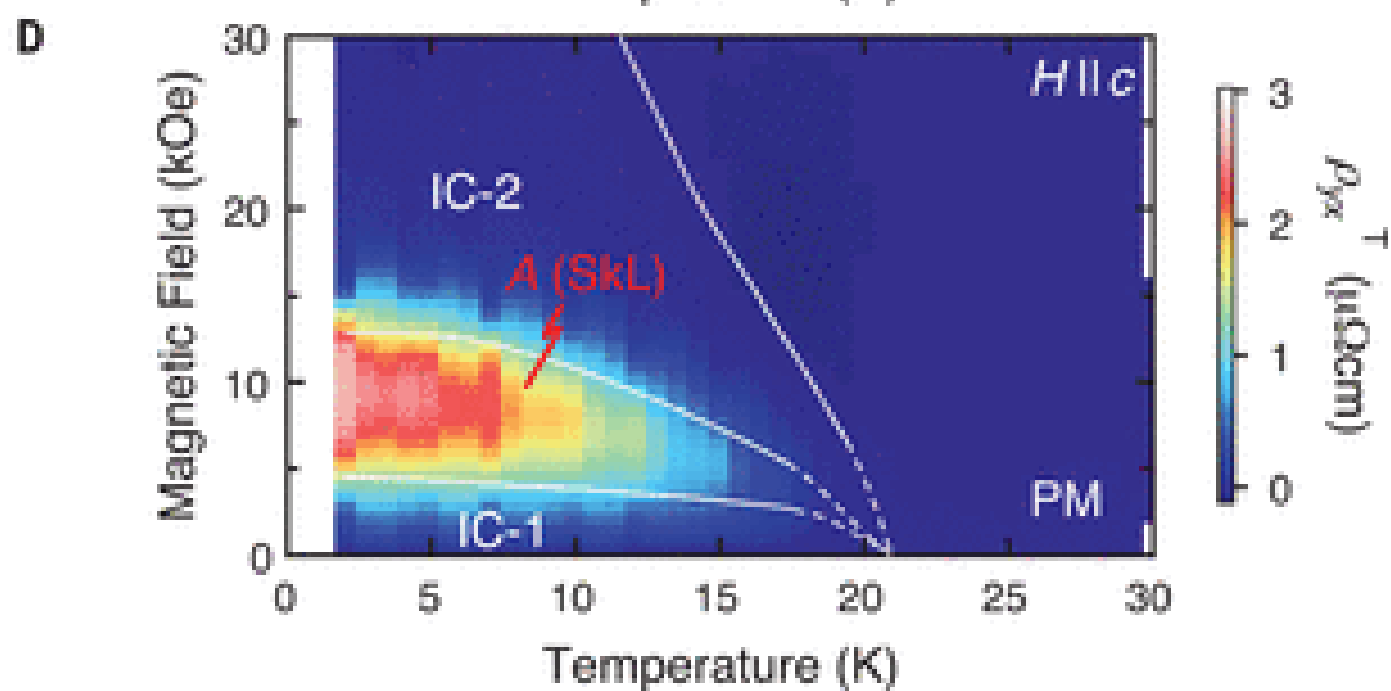
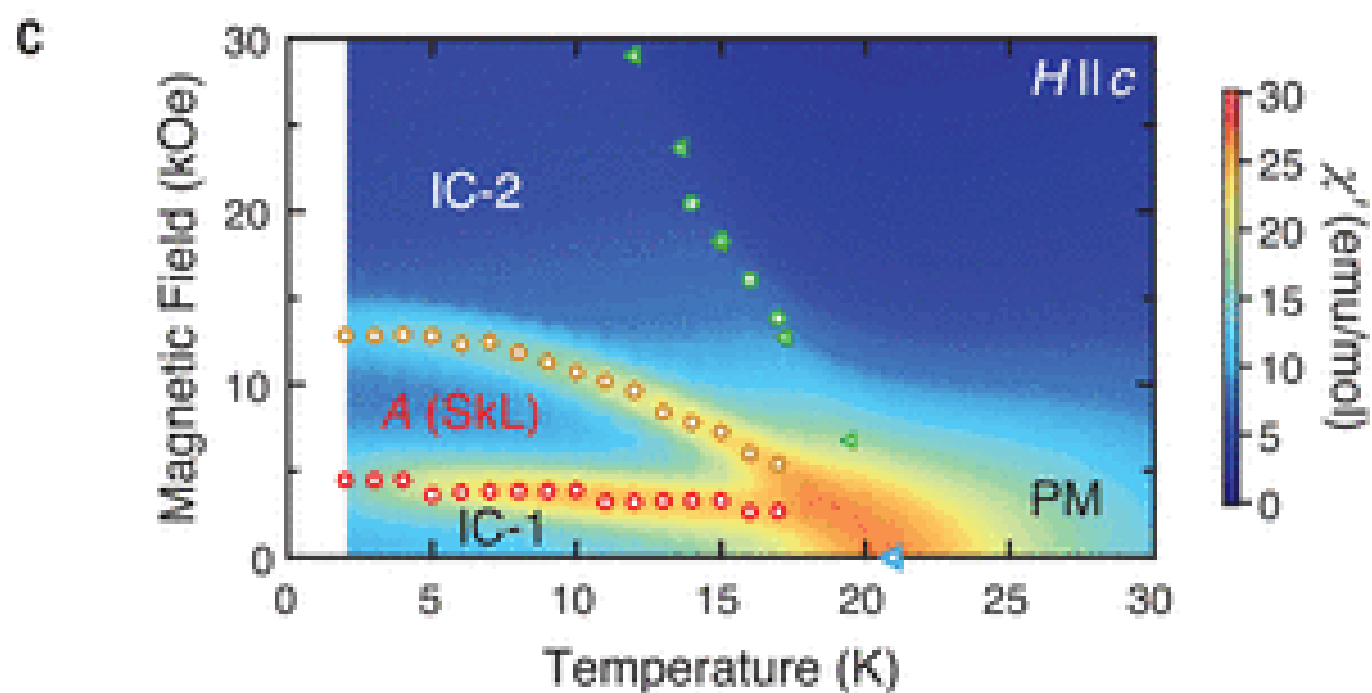
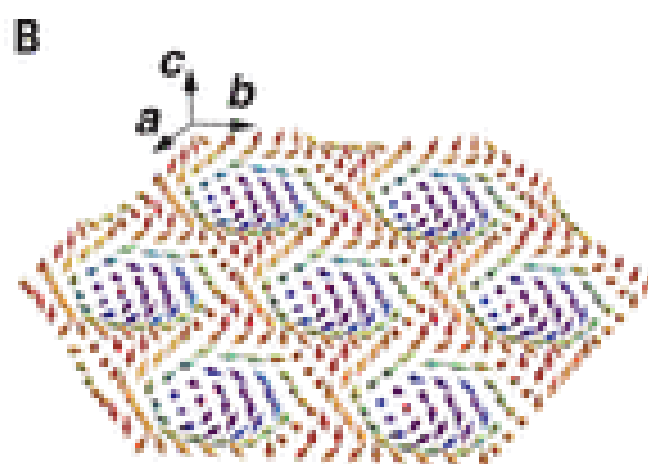
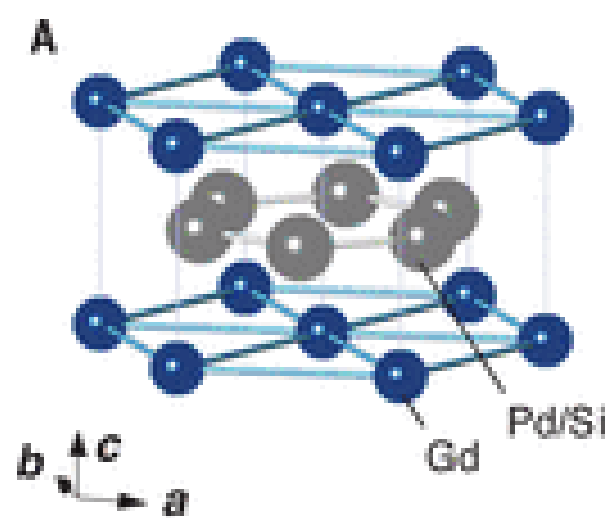


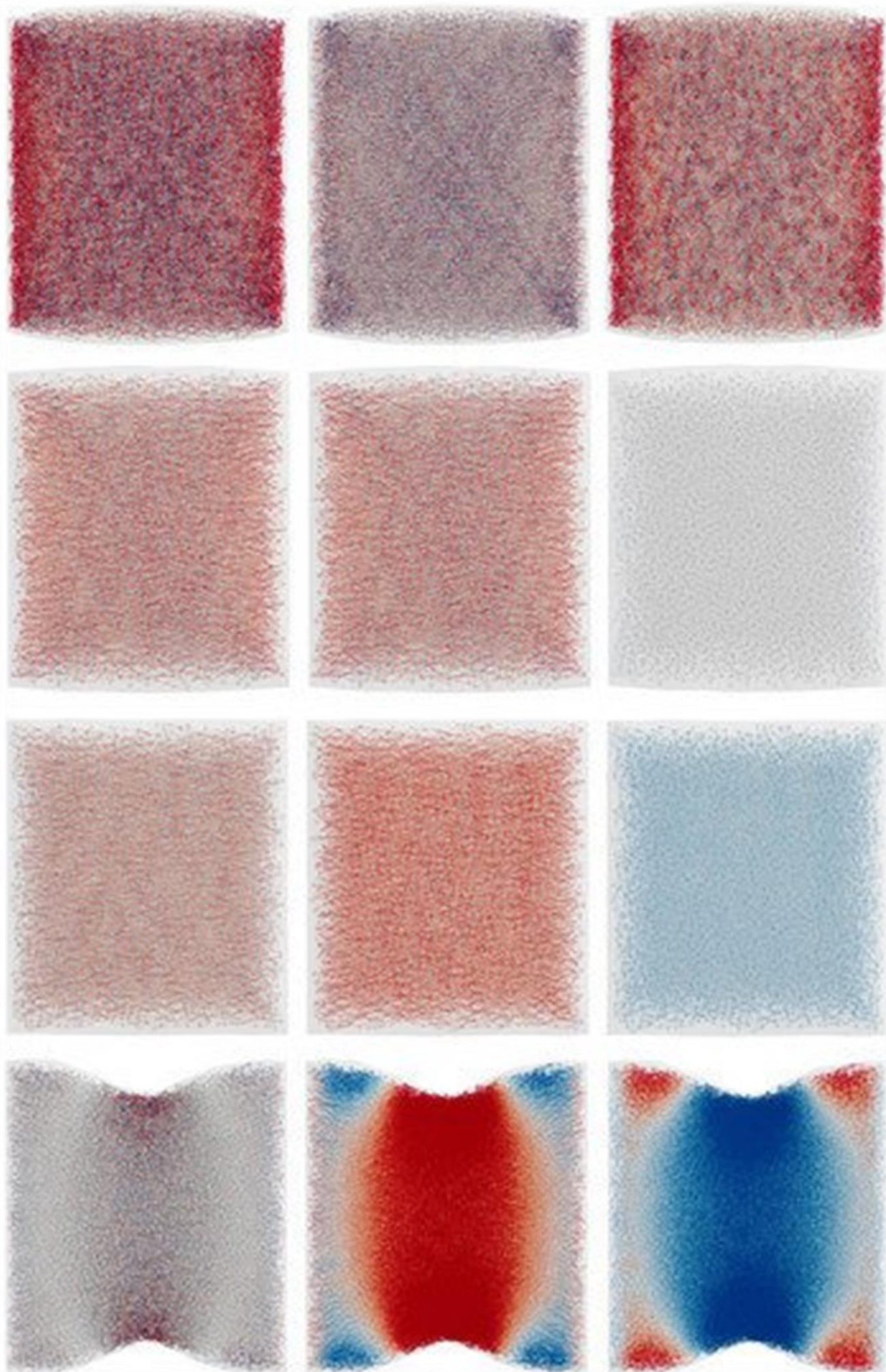


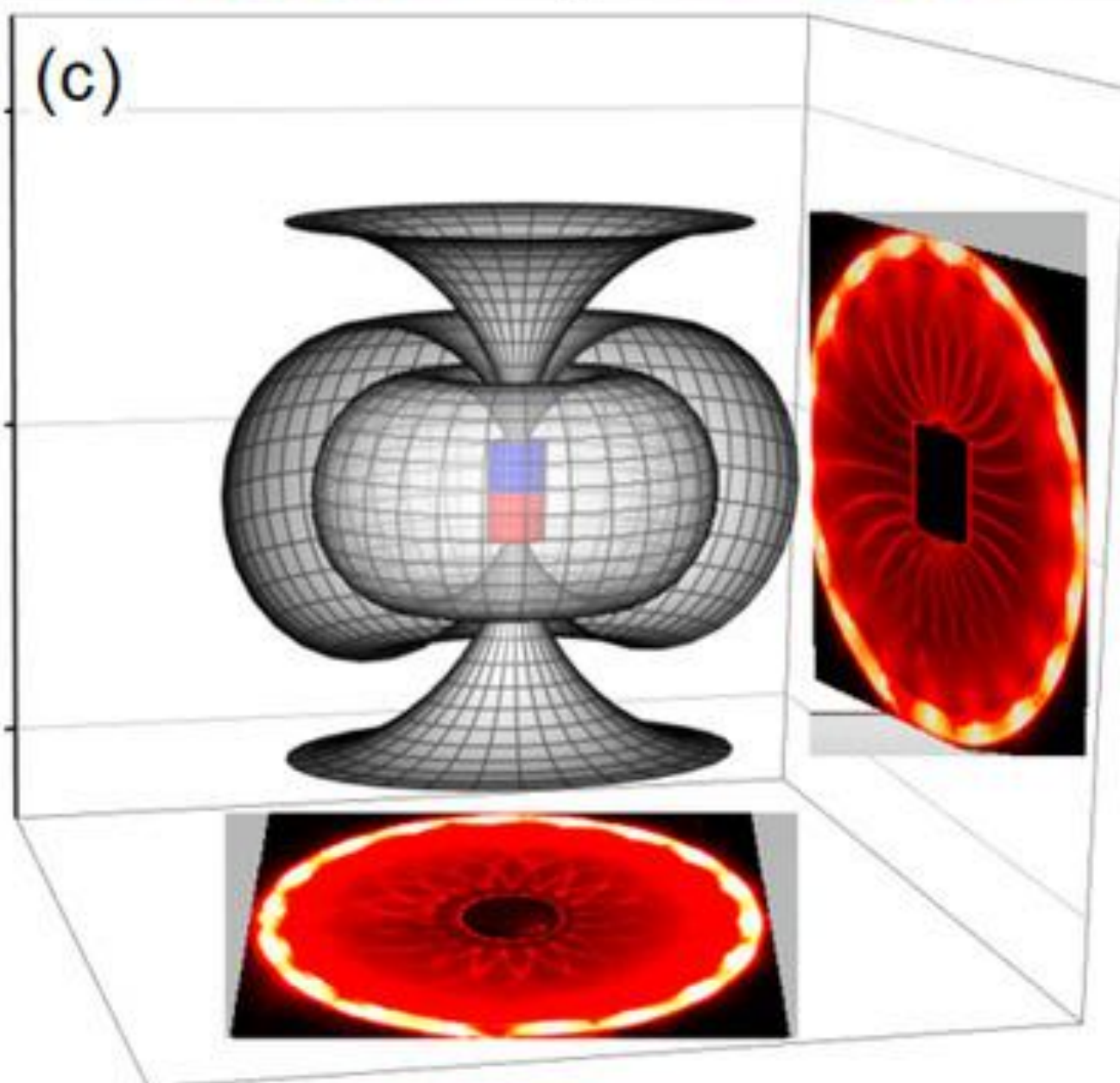
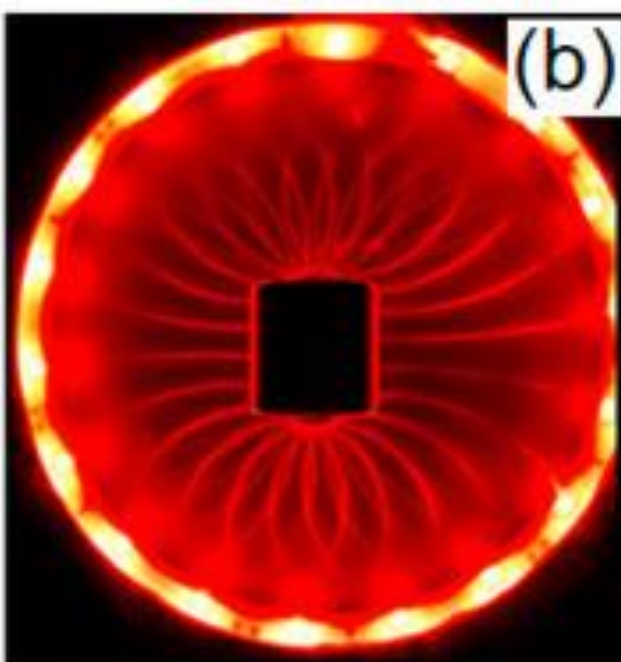
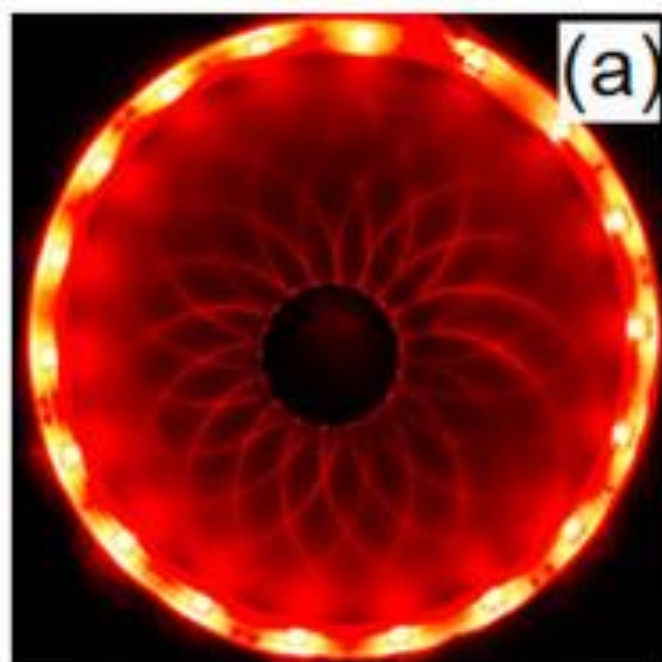


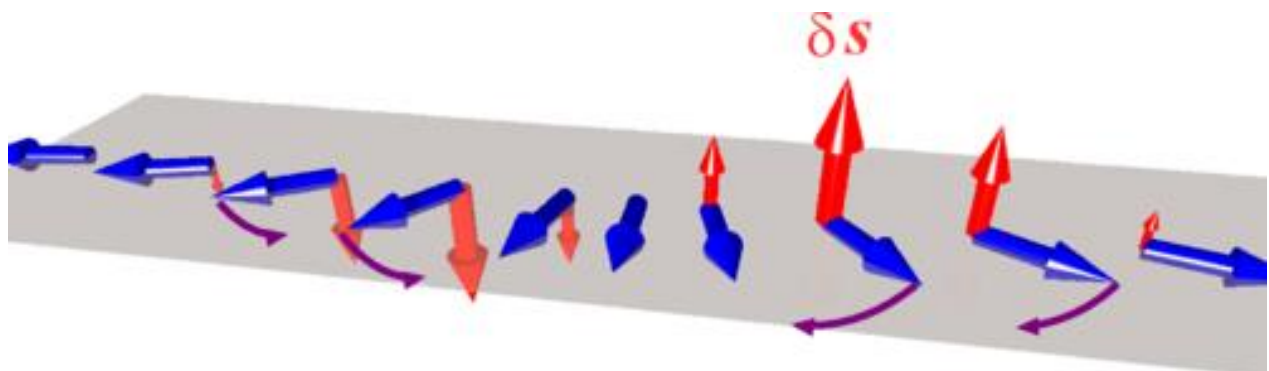
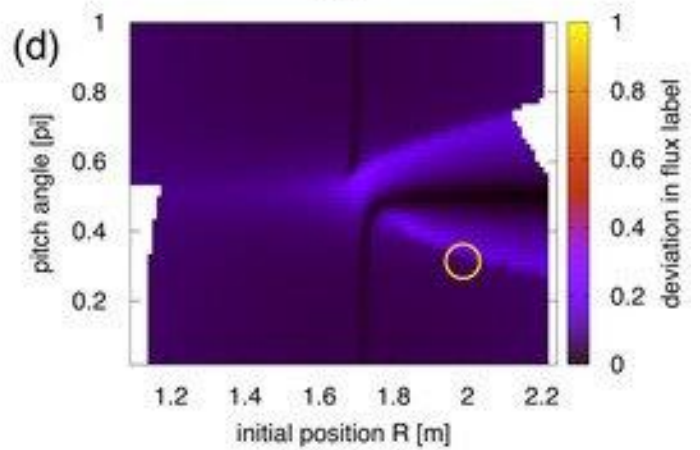
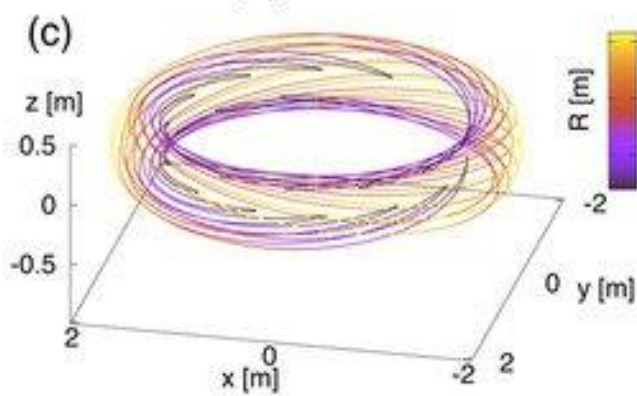
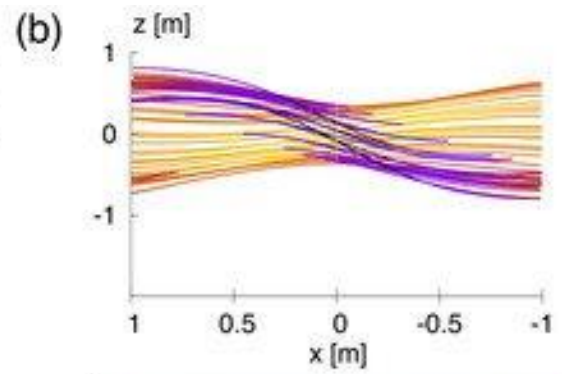
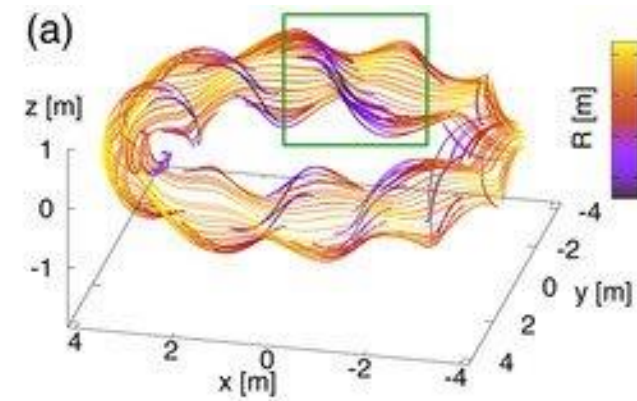
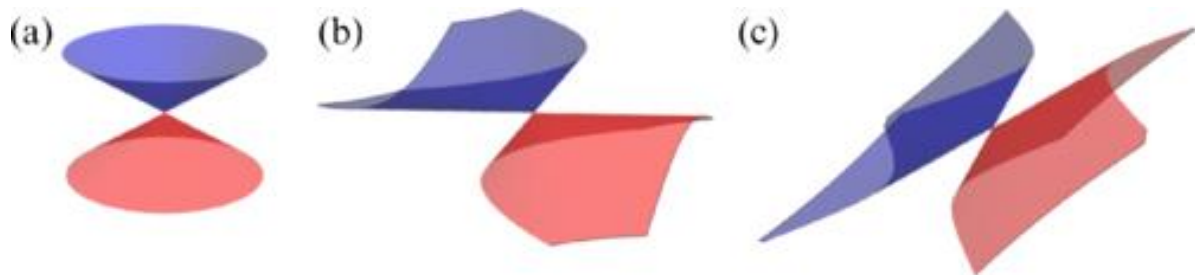
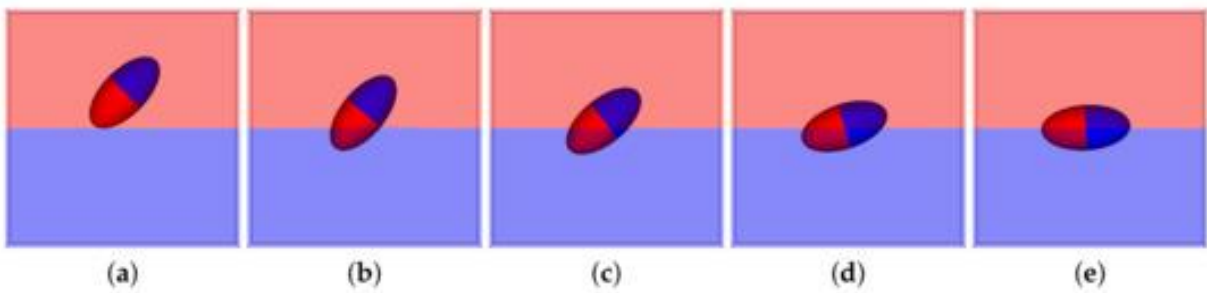


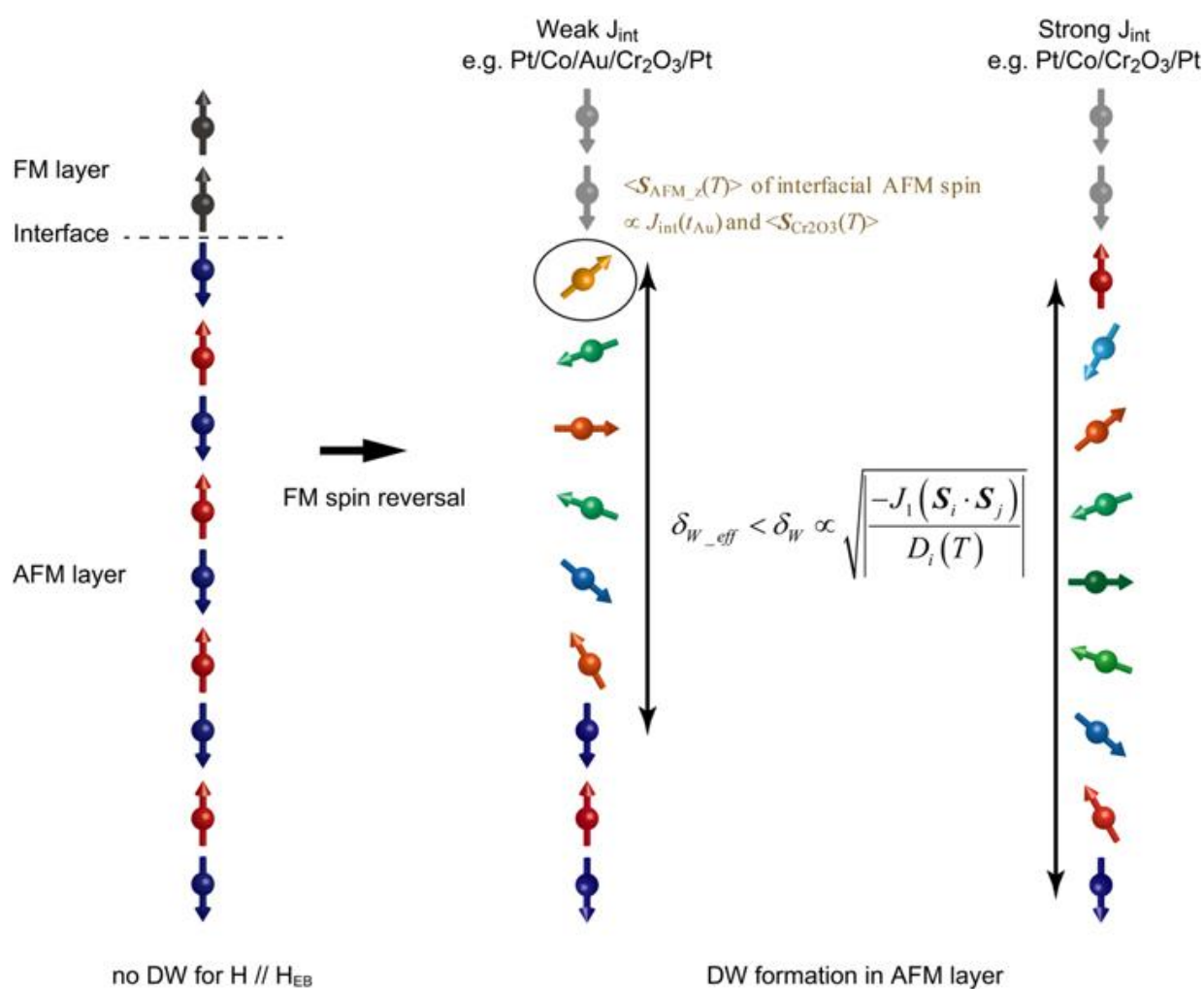
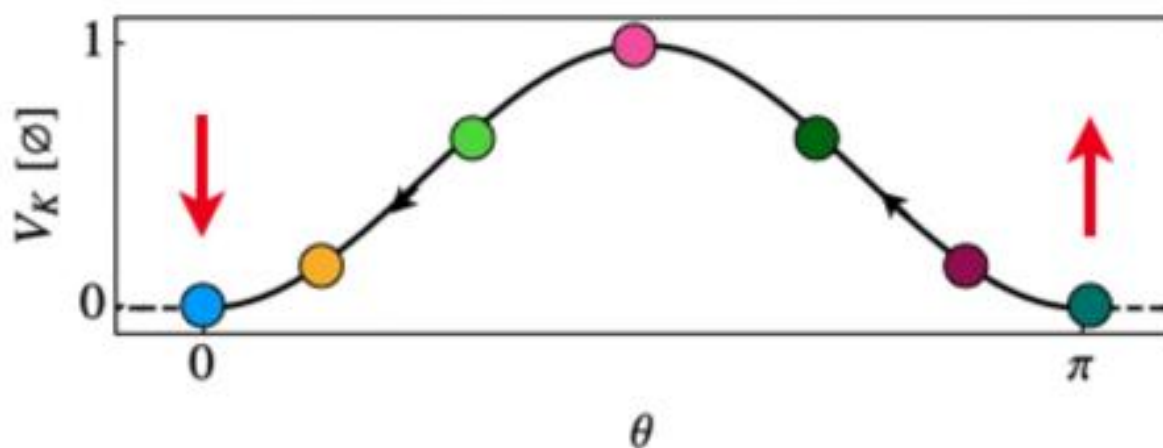
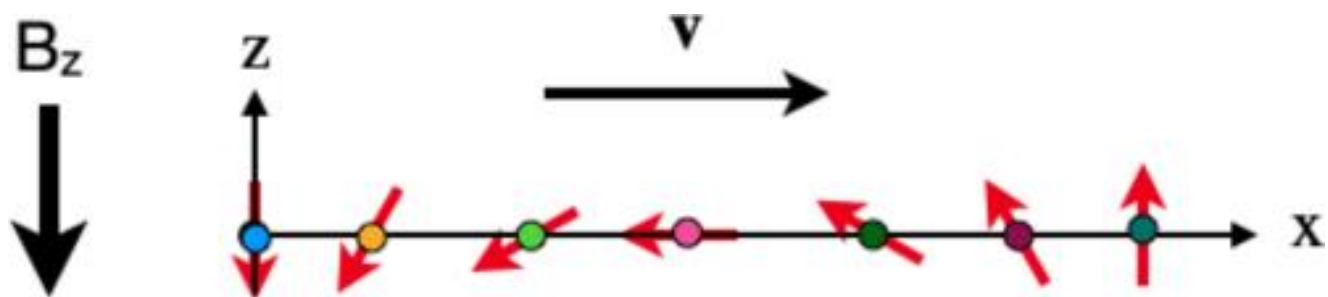




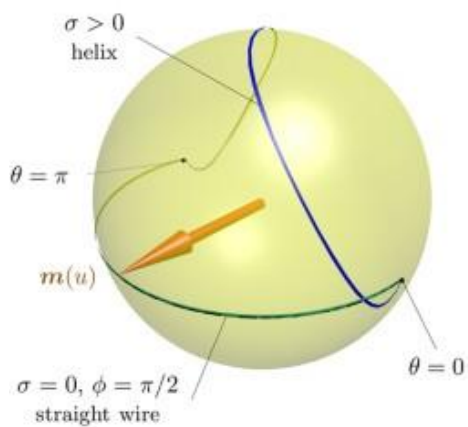




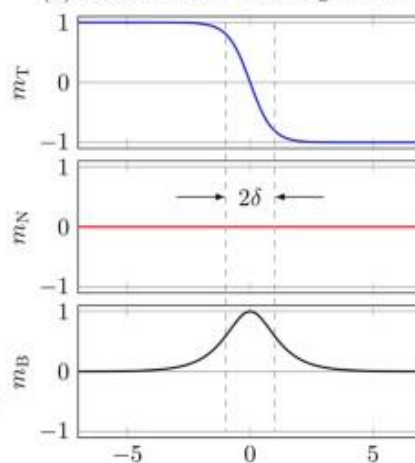




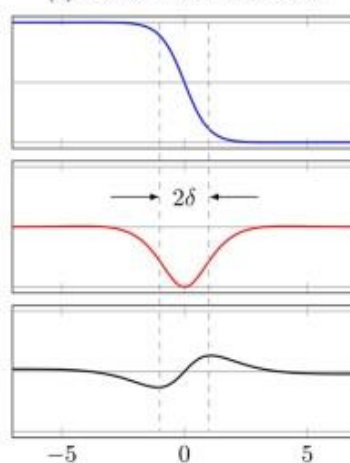
(a) Schematic of the evolution of magnetization vector



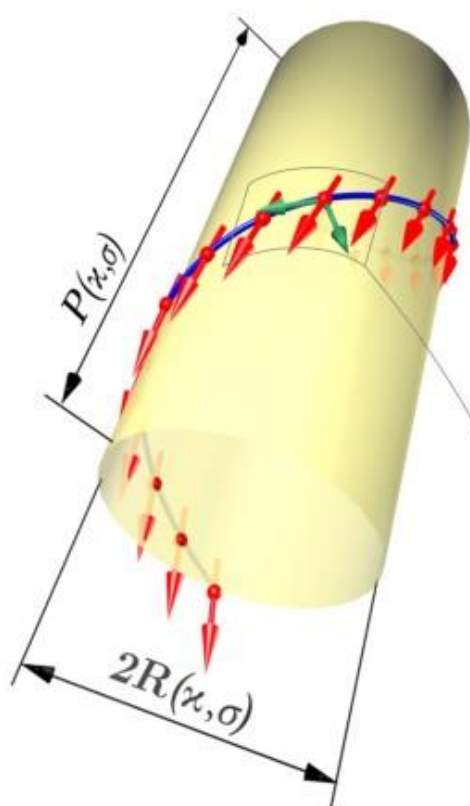
(b) Domain wall in a straight wire



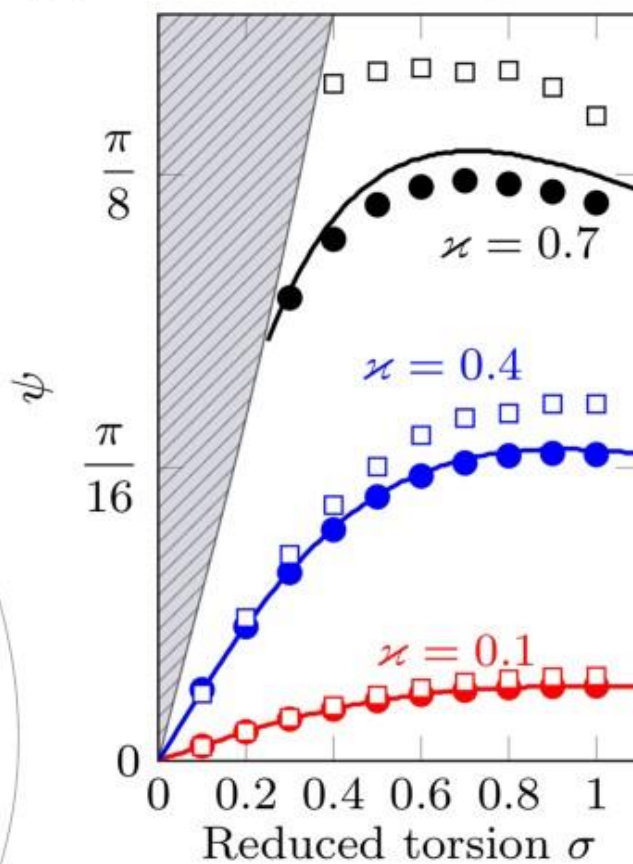
(c) Domain wall in a helix



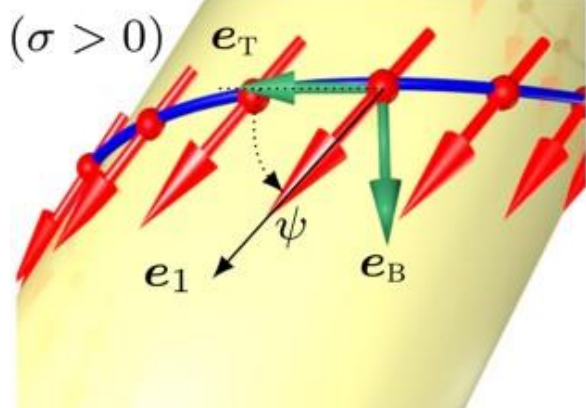
(a) Schematics



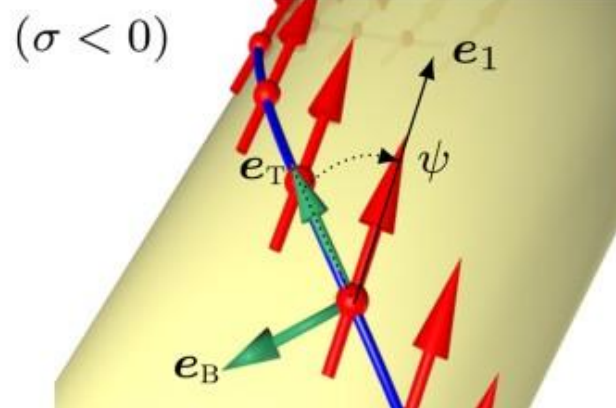
(b) Rotation angle



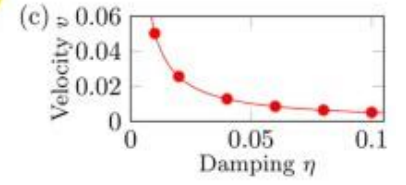
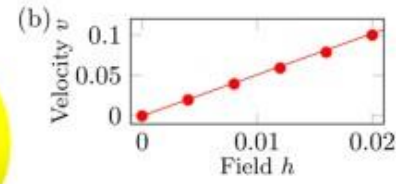
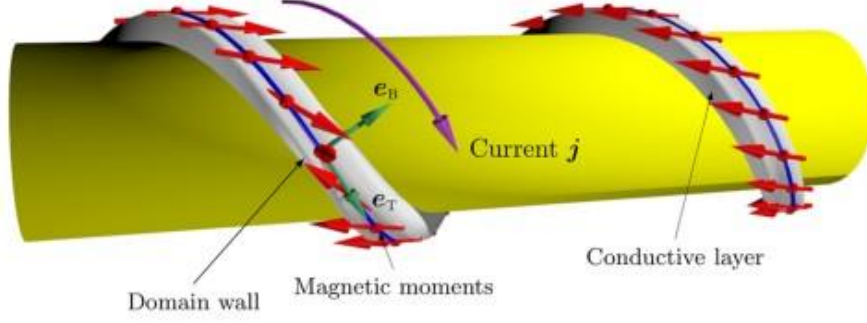
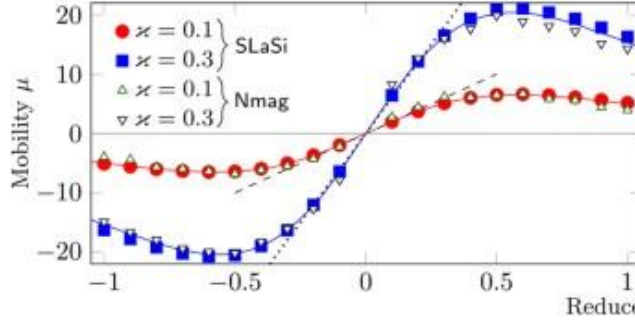
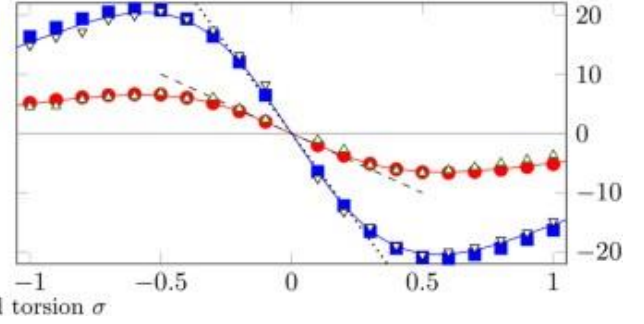
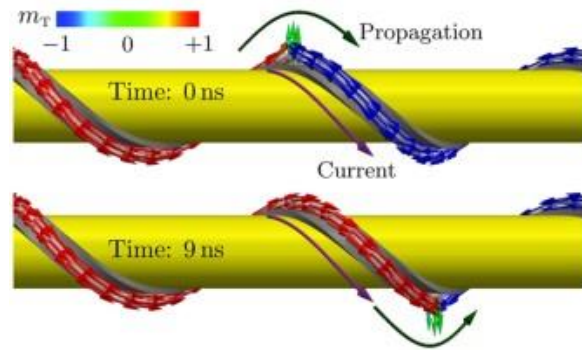
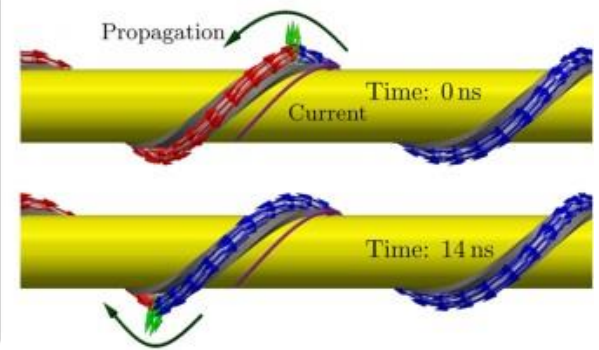
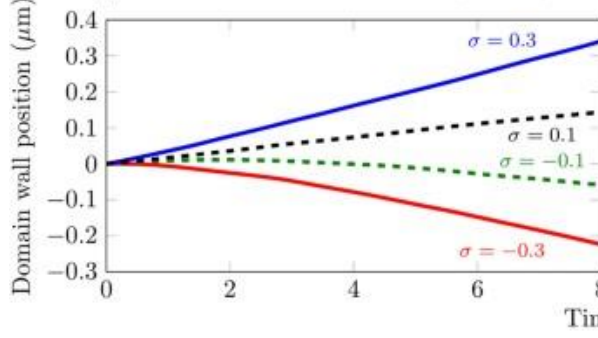
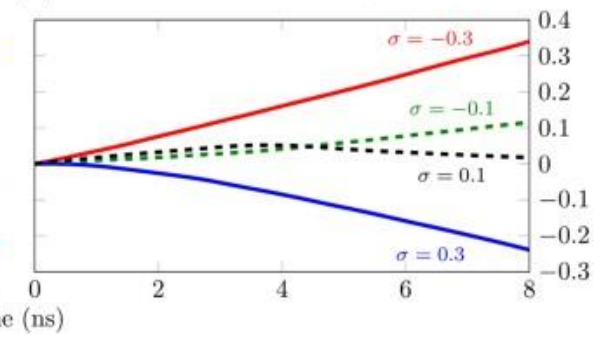
(c) Right-handed helix



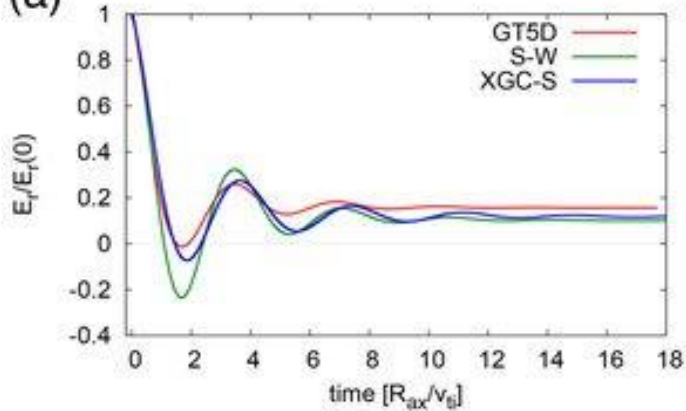
(d) Left-handed helix



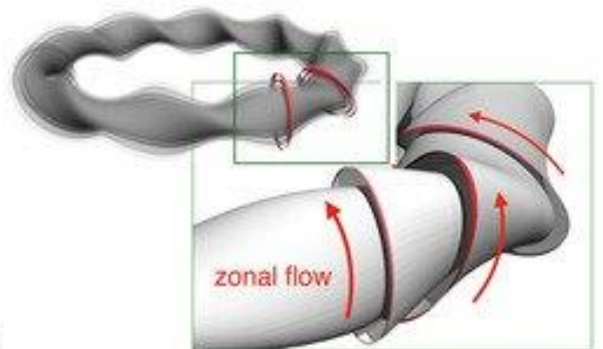
(a) Schematics of SLaSi simulations

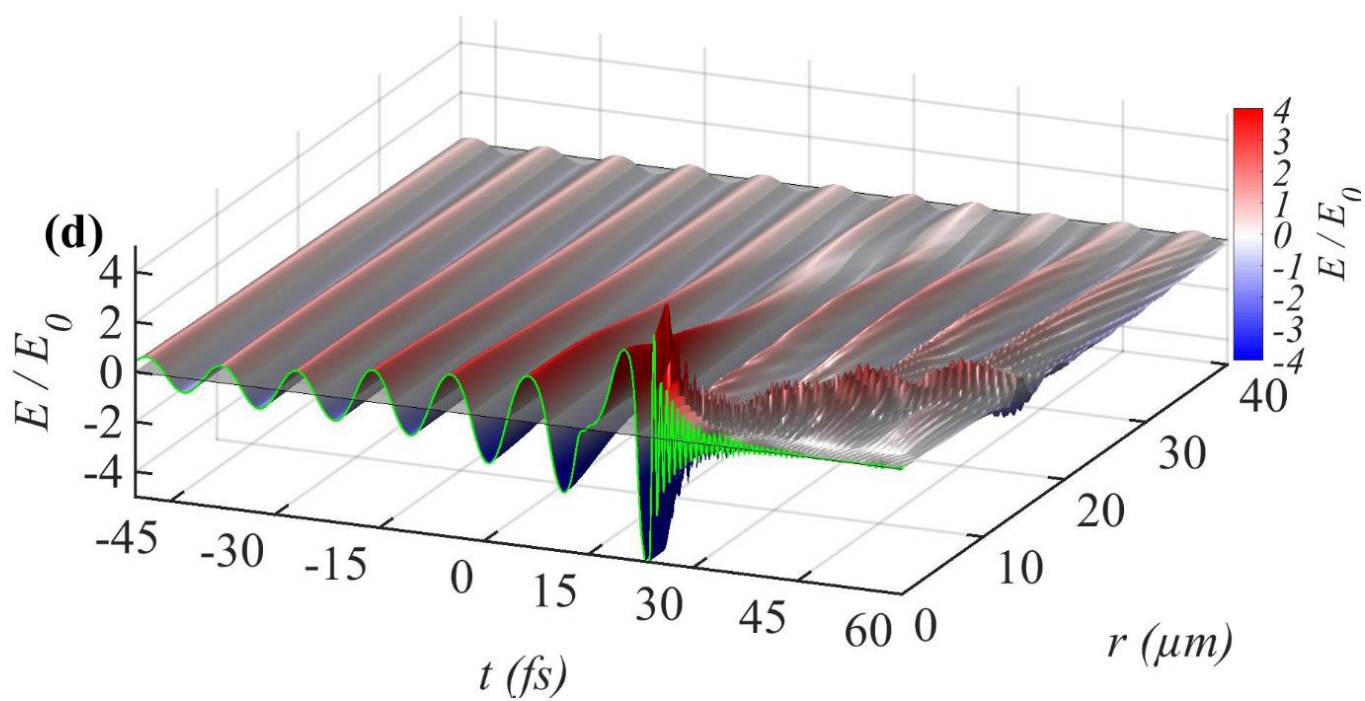
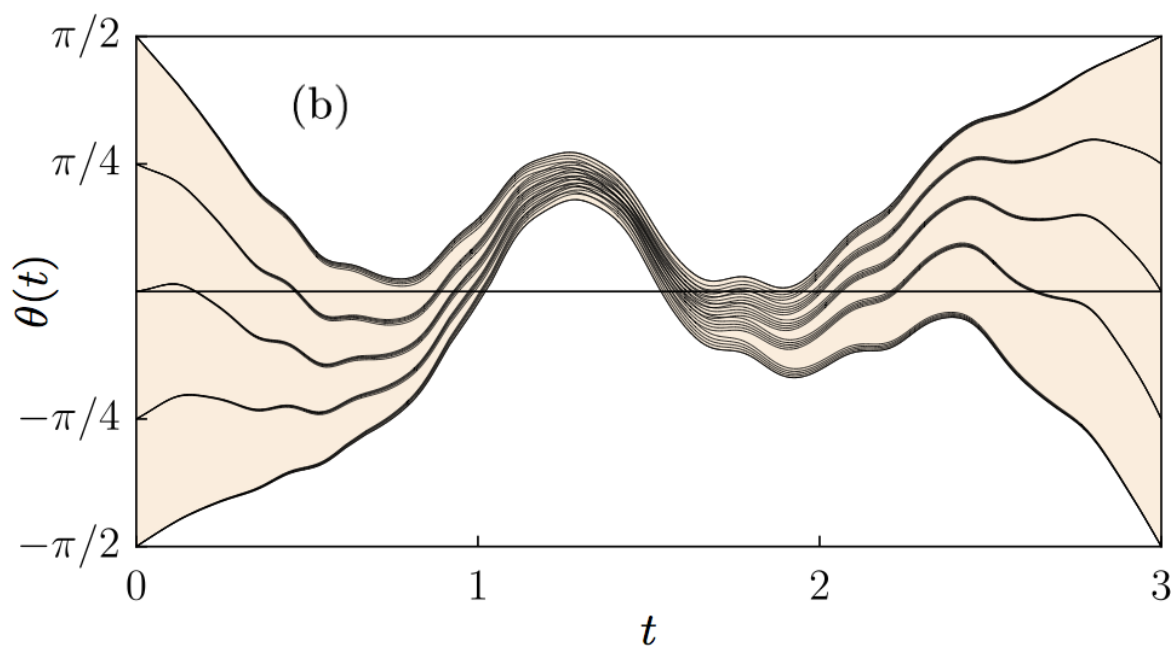
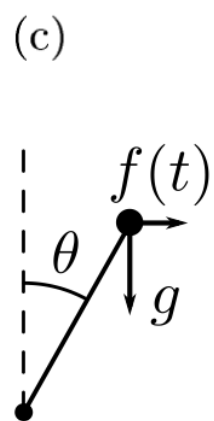
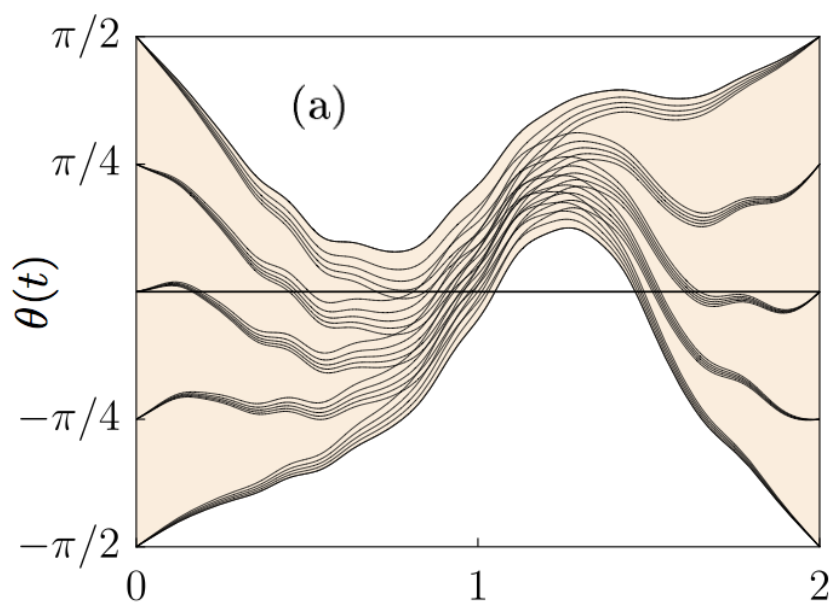
(d) Head-to-head domain wall ($p = +1$)(e) Tail-to-tail domain wall ($p = -1$)(a) Right-handed helix ($\sigma = 0.1$, $\mathcal{C} = +1$)(b) Left-handed helix ($\sigma = -0.1$, $\mathcal{C} = -1$)(c) Head-to-head domain wall ($p = +1$)(d) Tail-to-tail domain wall ($p = -1$)

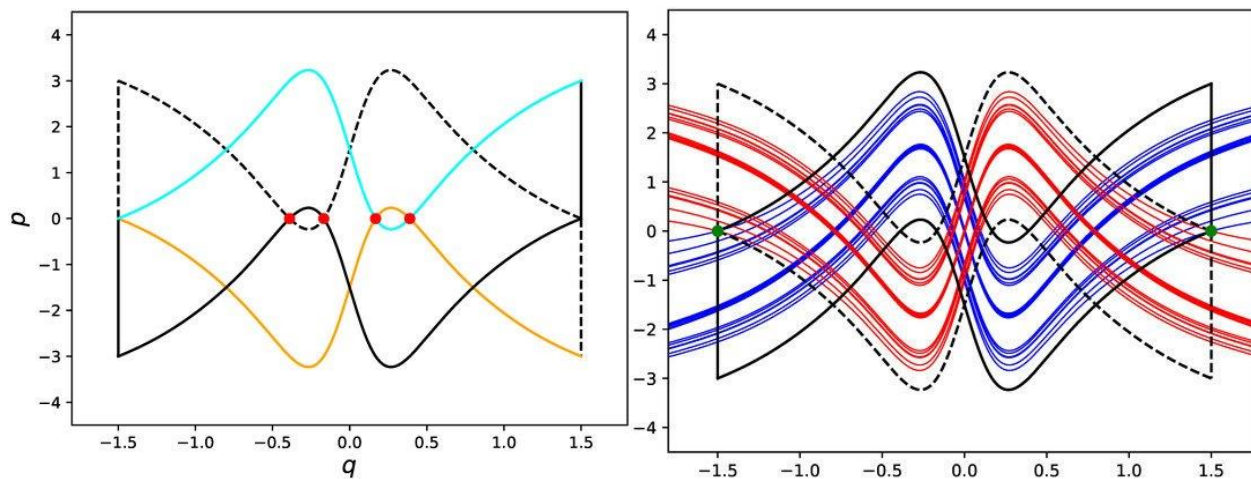
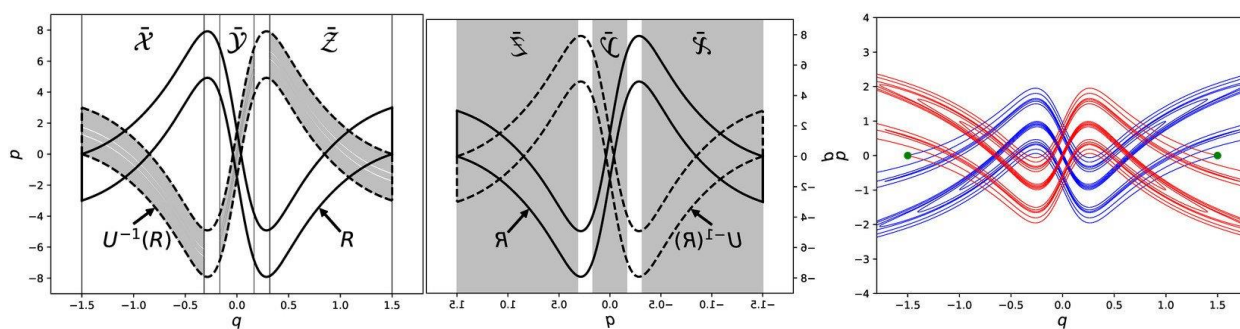
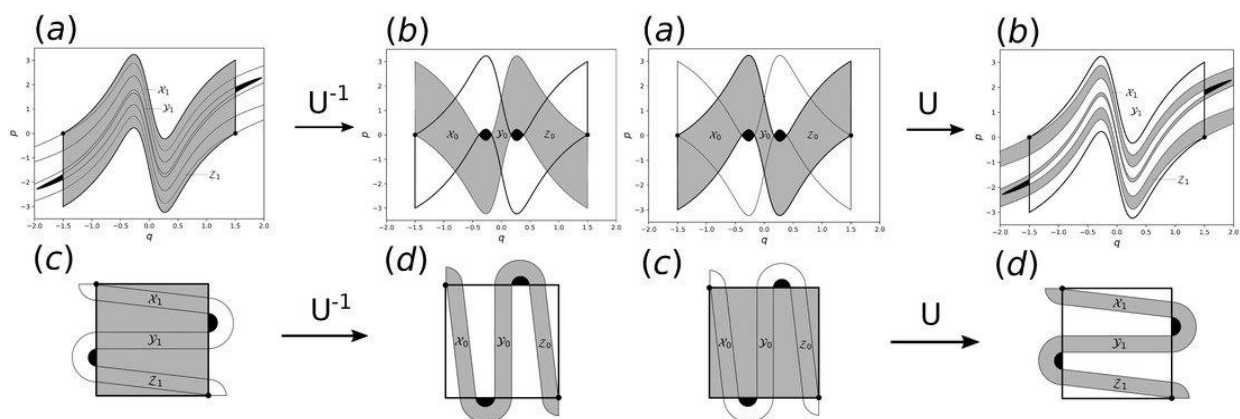
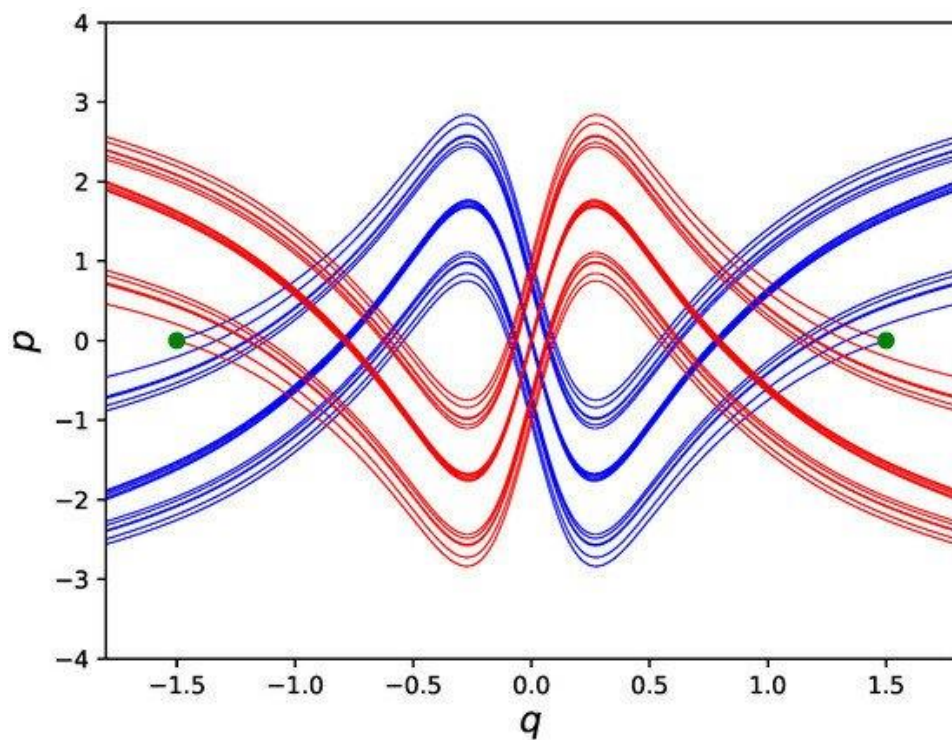
(a)

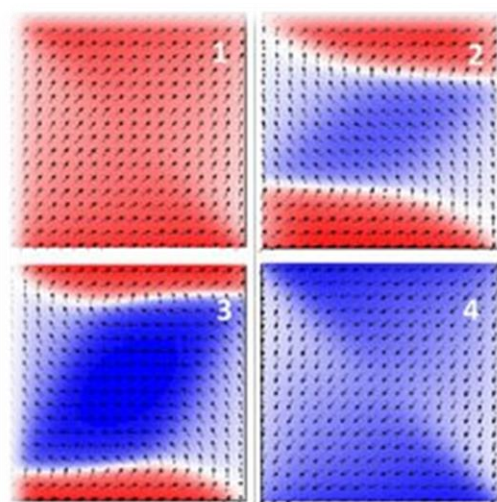


(b)

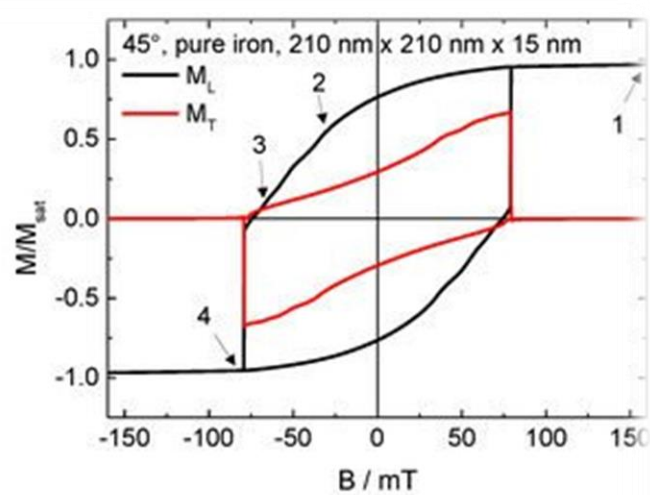




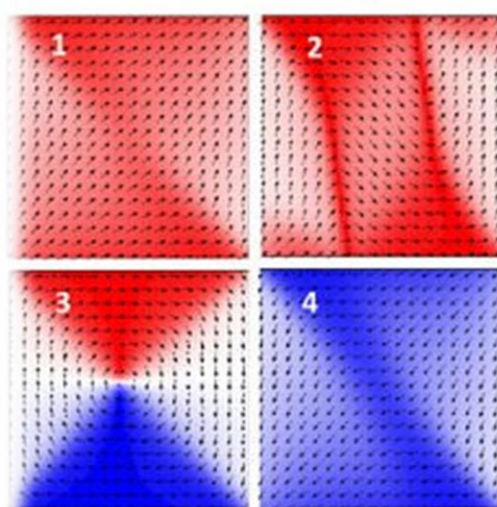




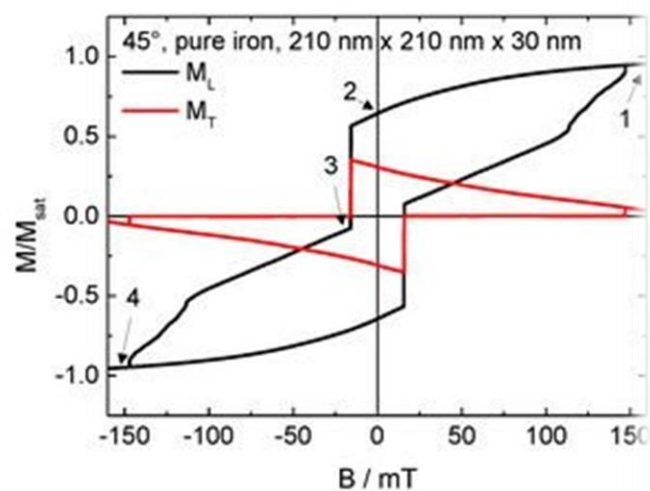
(a)



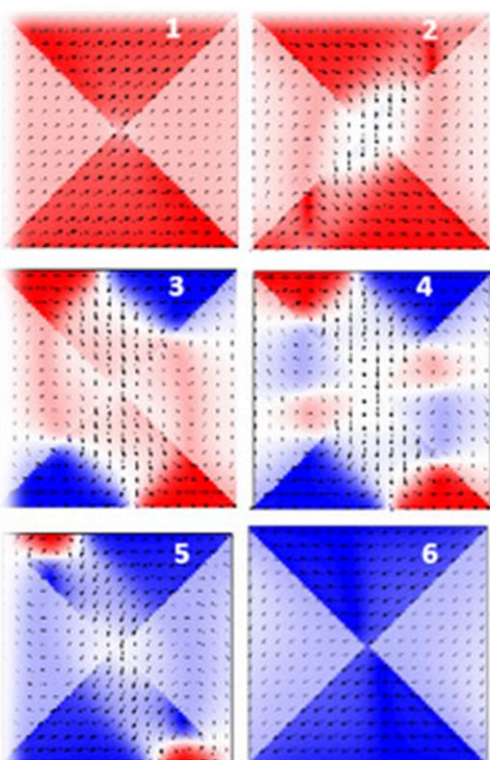
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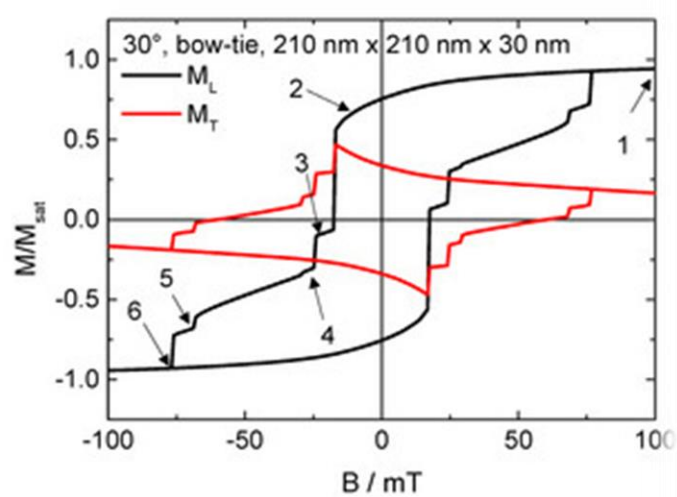
(c)



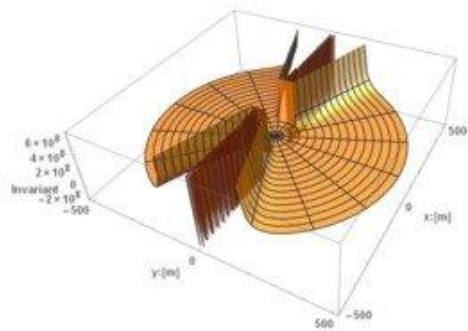
(d)



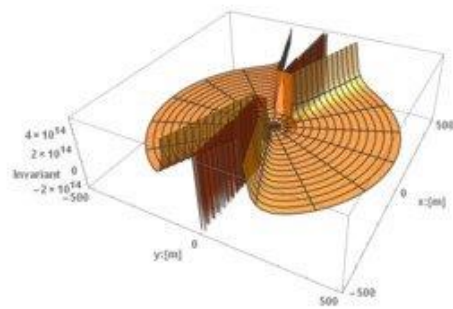
(a)



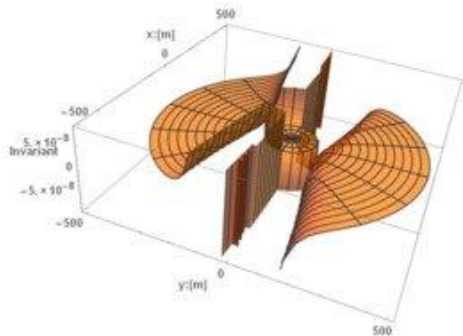
(b)



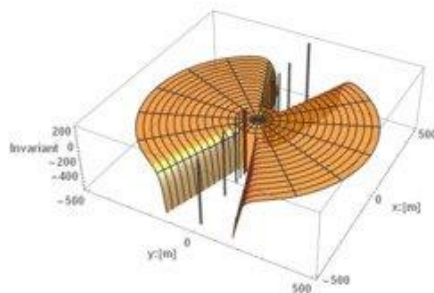
(c) r_2 and $t = 10$ s



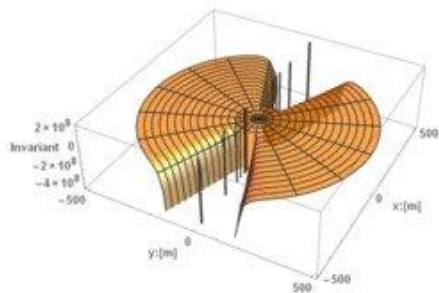
(d) r_2 and $t = 100$ s



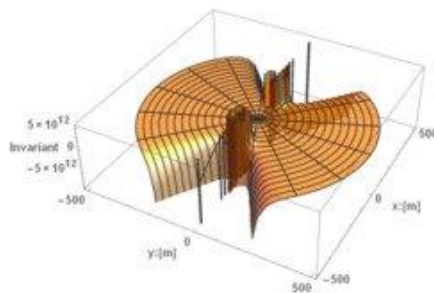
(a) w_2 and $t = 0$ s



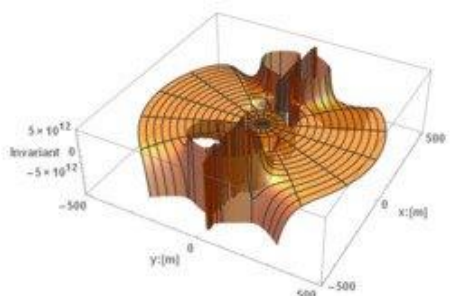
(b) w_2 and $t = 1.0$ s



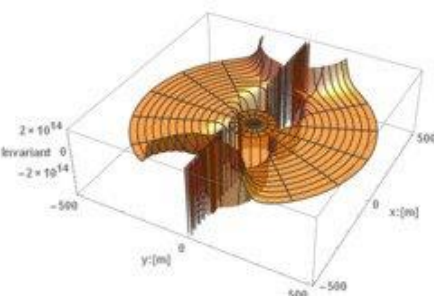
(c) w_2 and $t = 10.0$ s



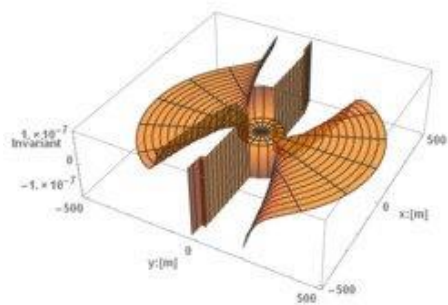
(d) w_2 and $t = 100.0$ s



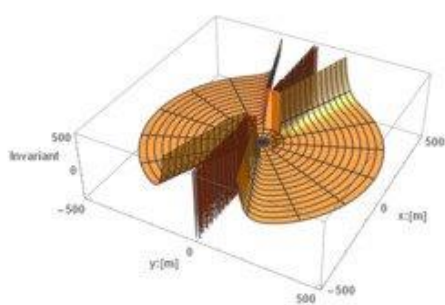
(e) w_2 and $t = 200.0$ s



(f) w_2 and $t = 300.0$ s

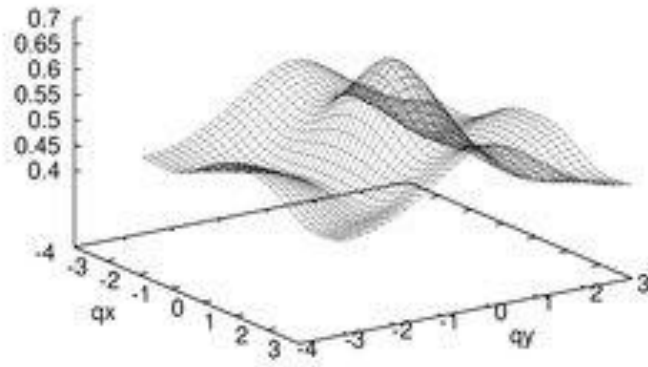


(a) r_2 and $t = 0.0$ s

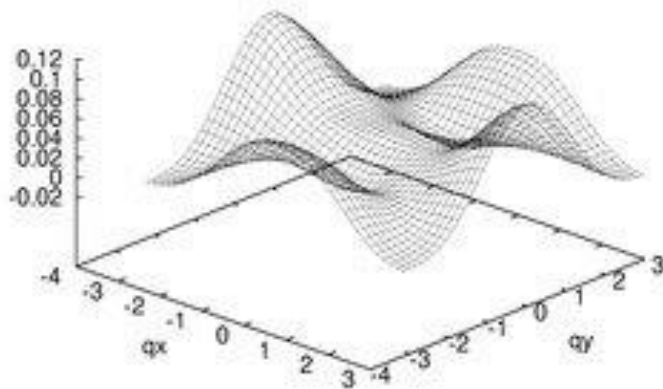


(b) r_2 and $t = 1$ s

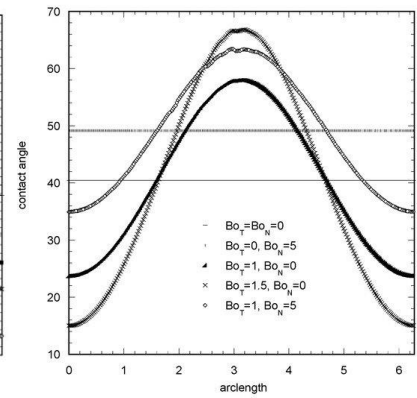
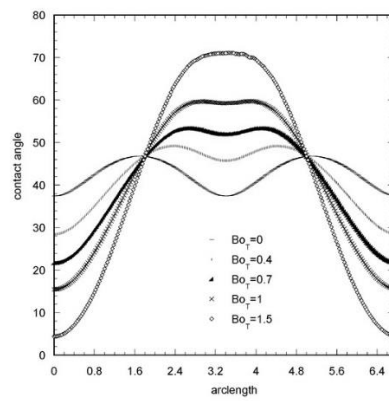
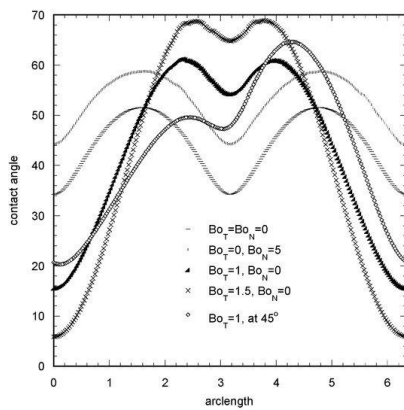
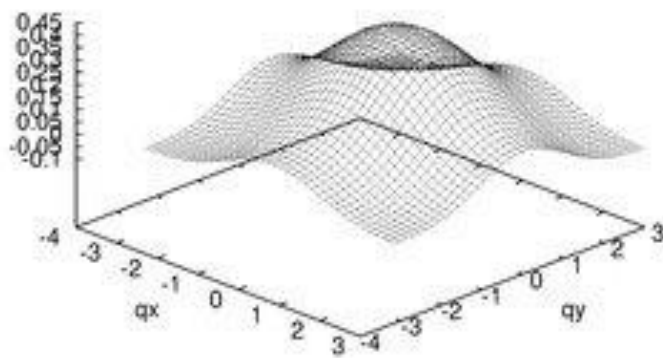
a)

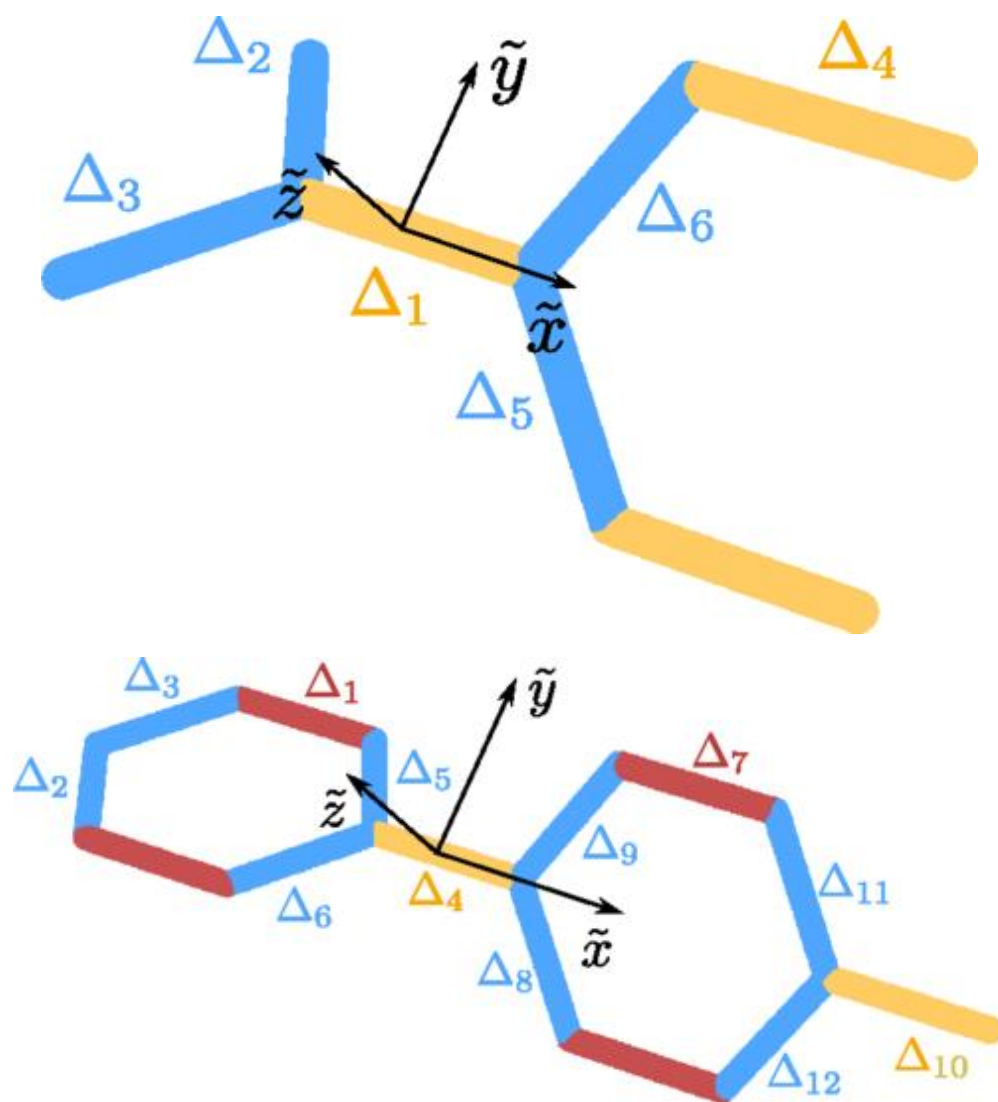
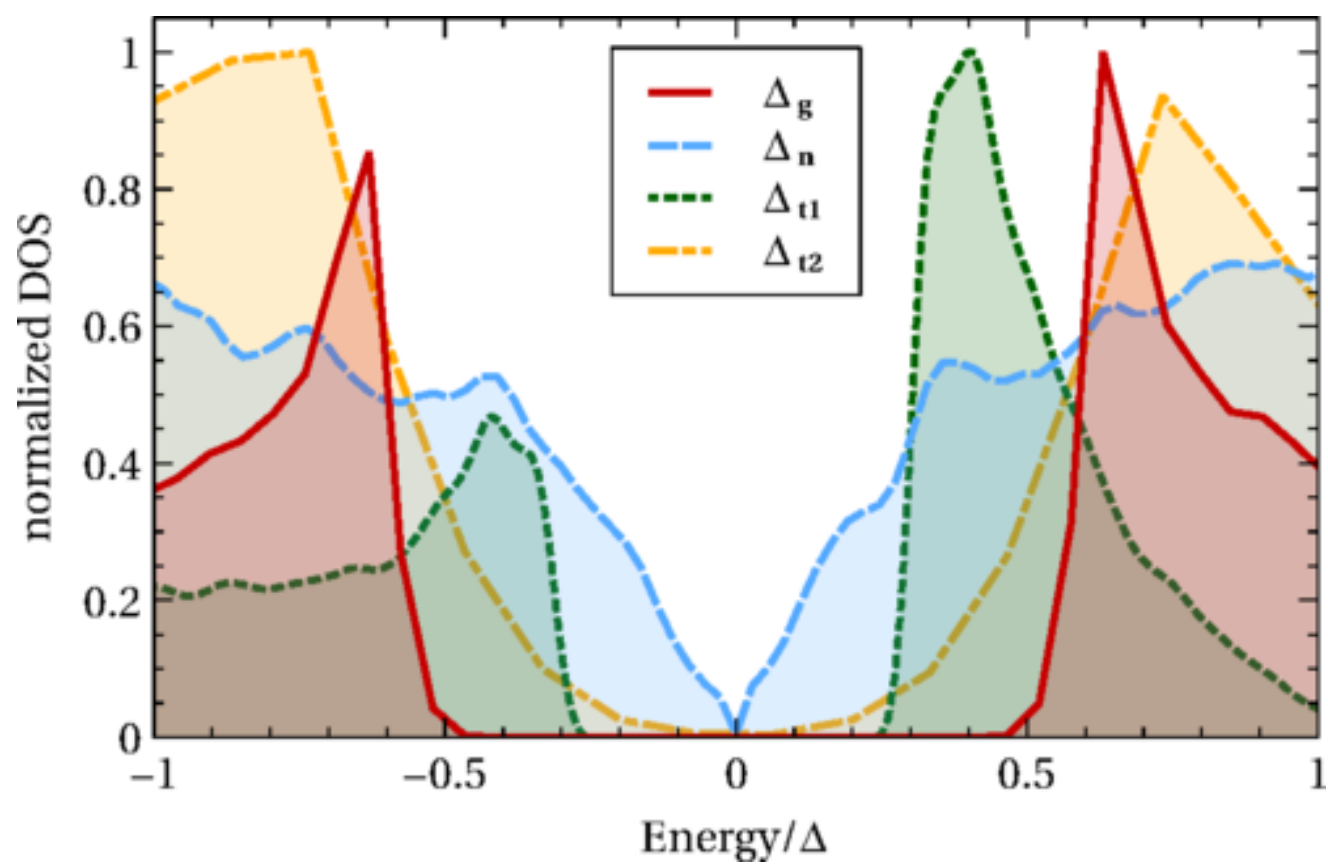


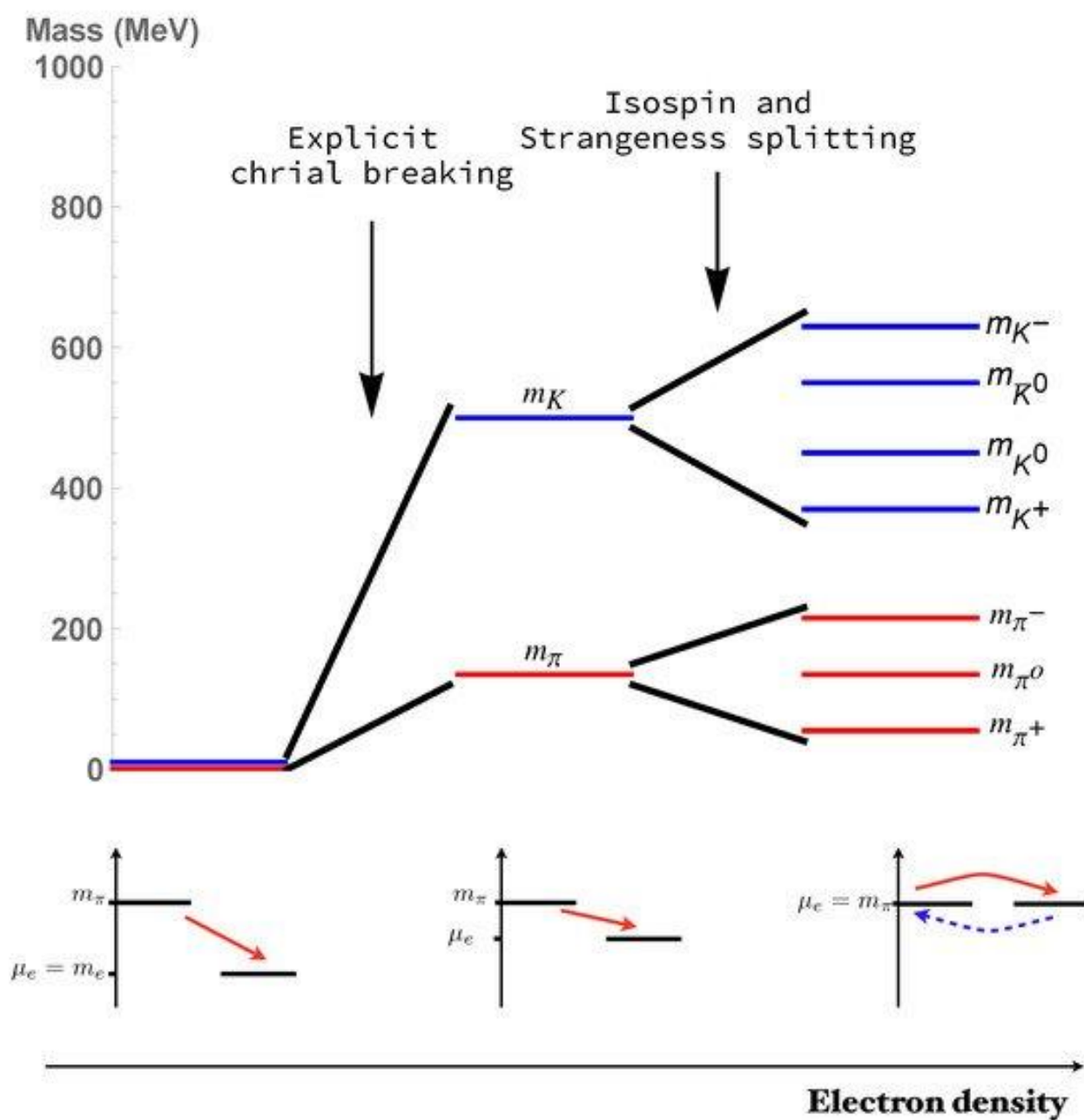
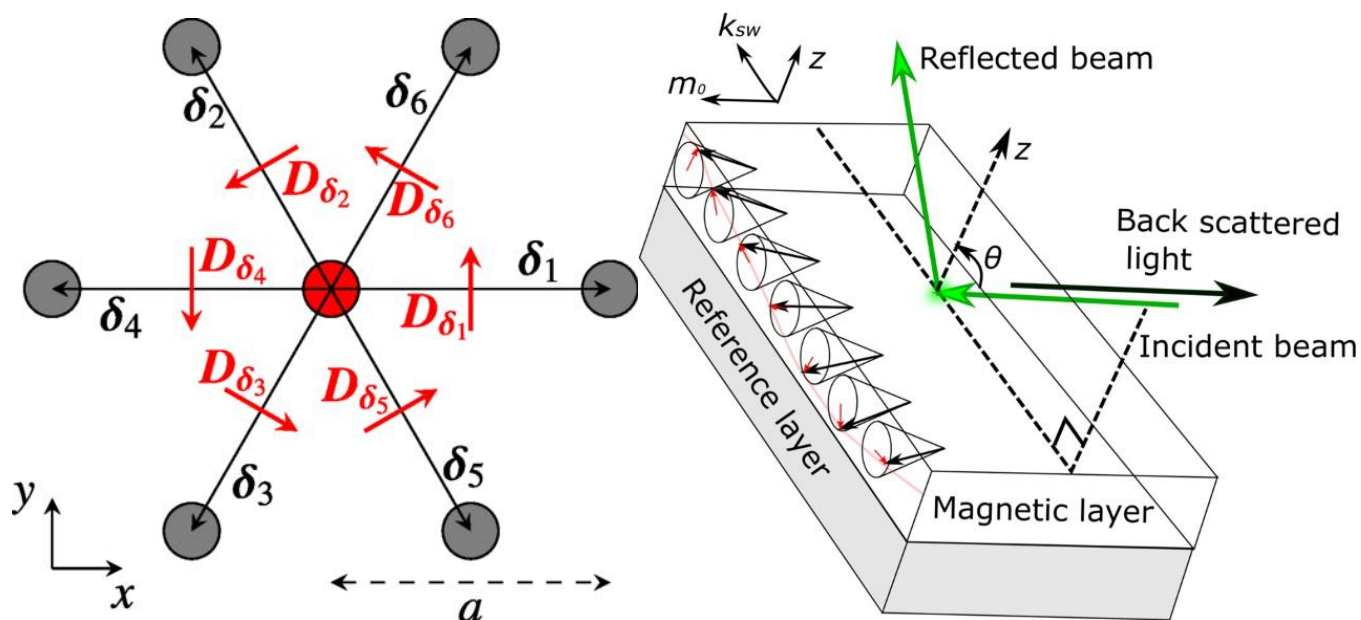
b)

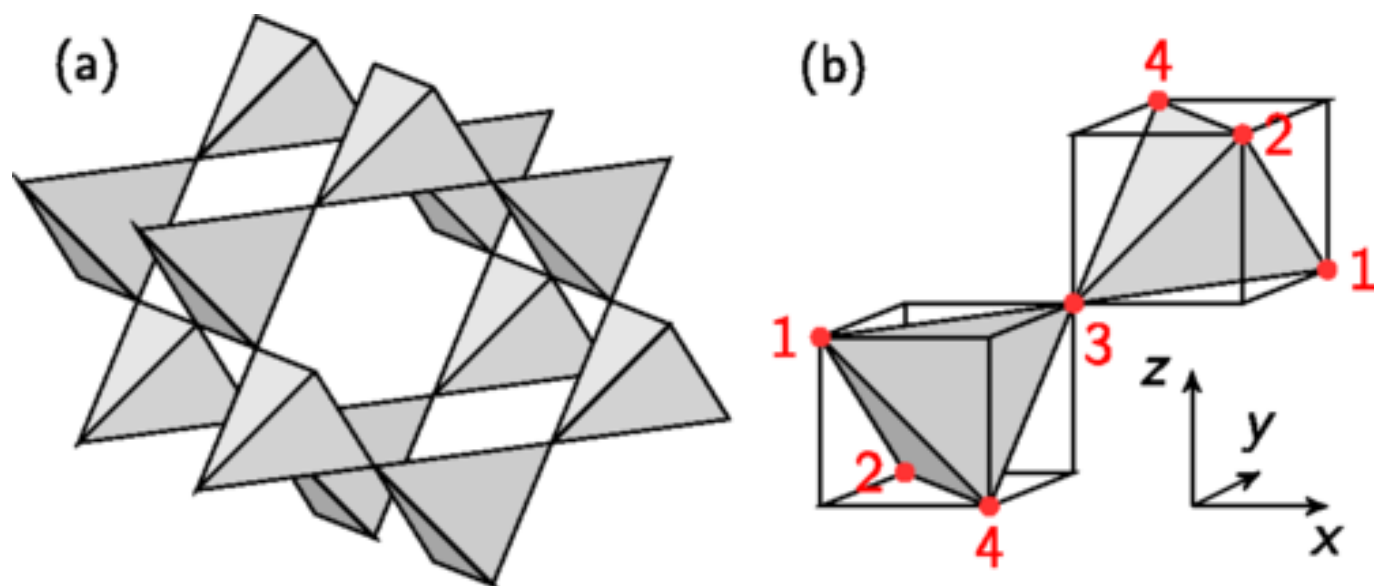
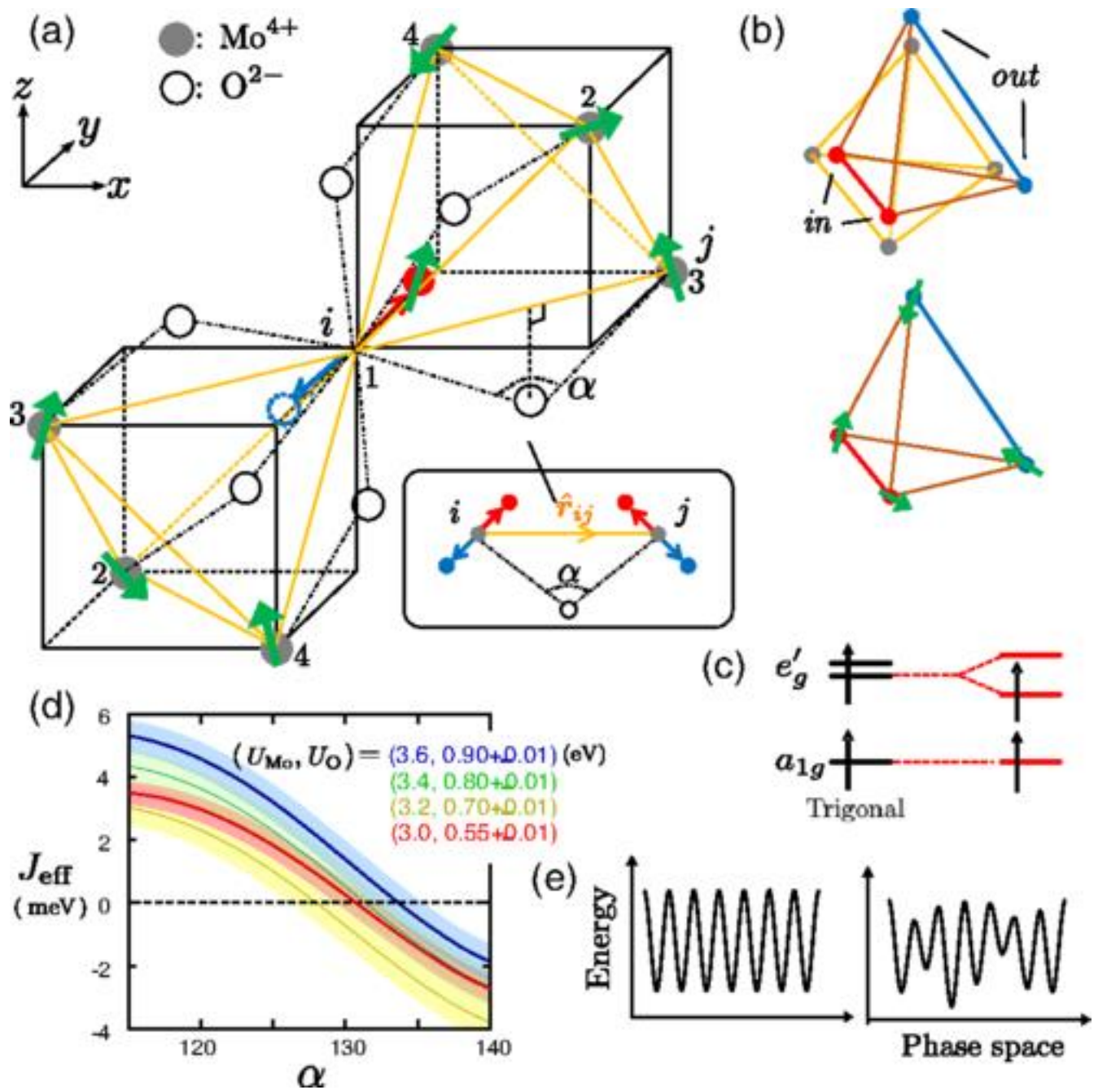


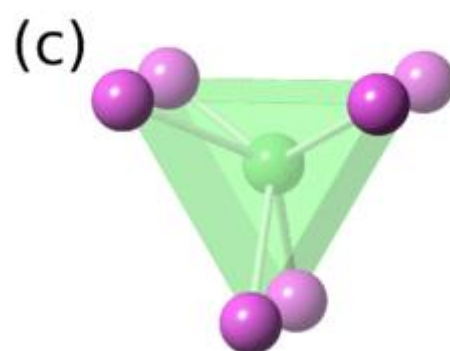
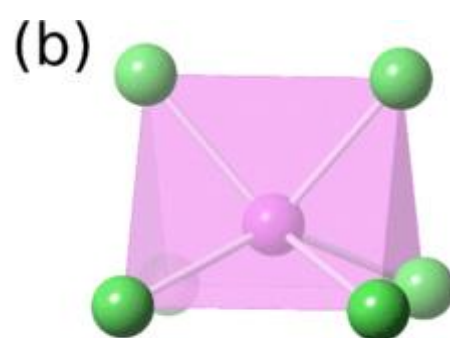
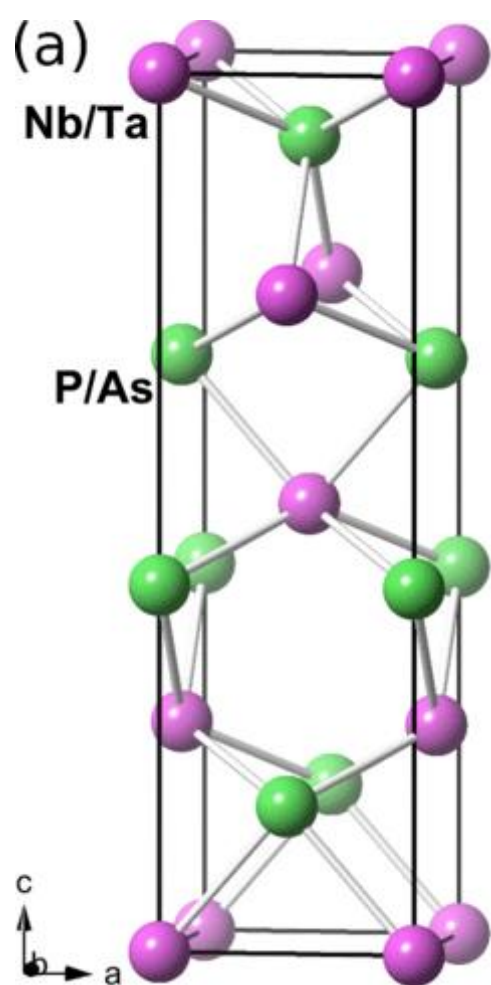
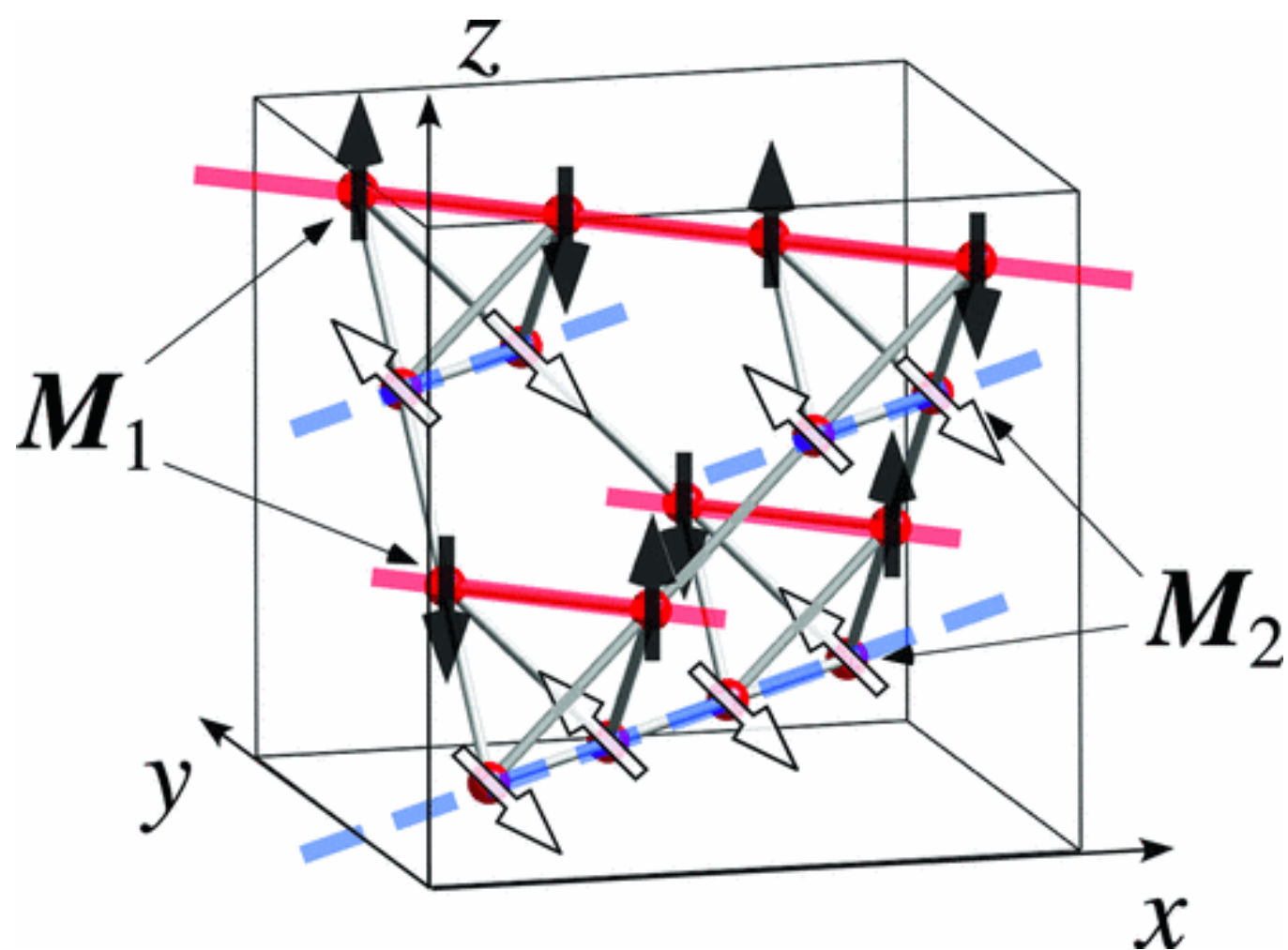
c)

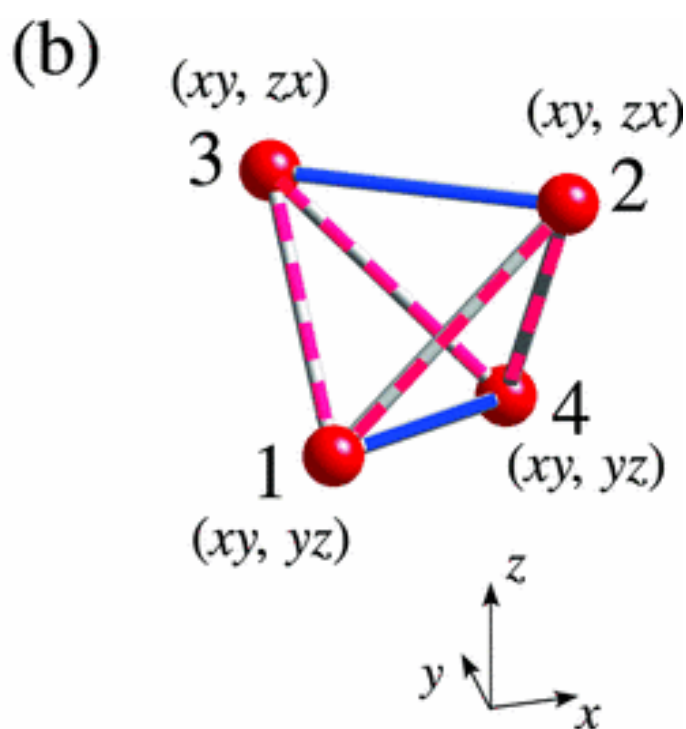
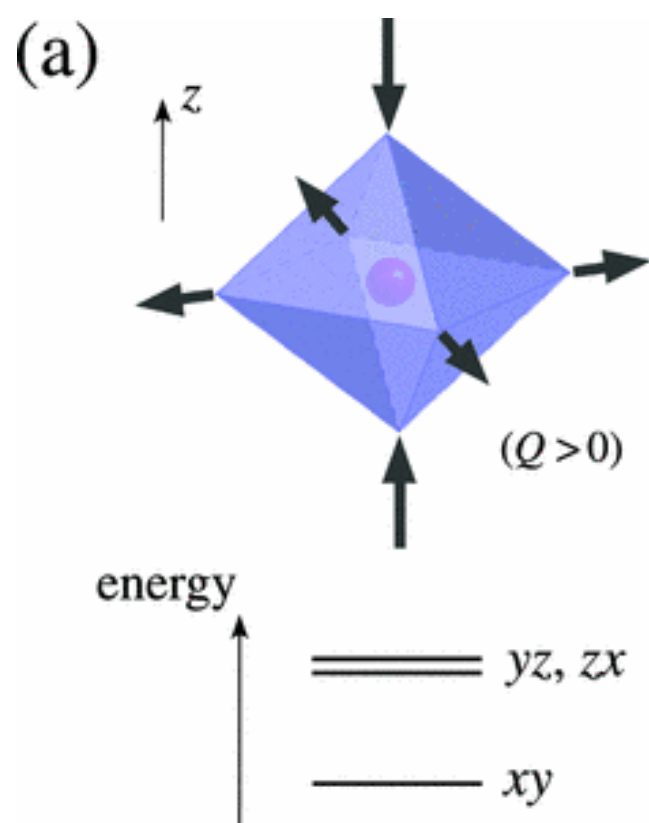
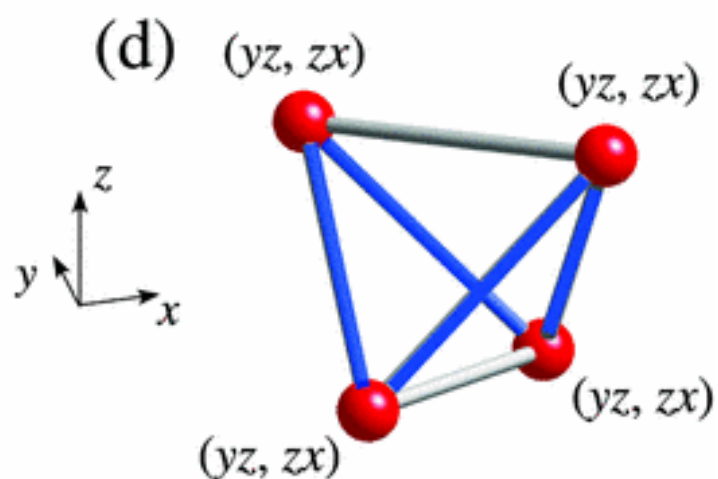
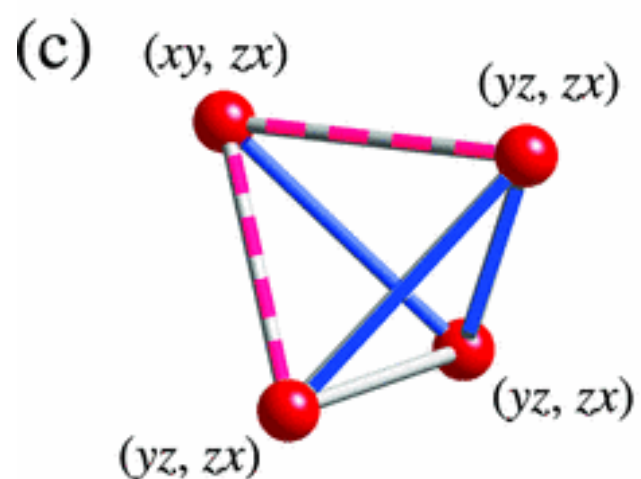
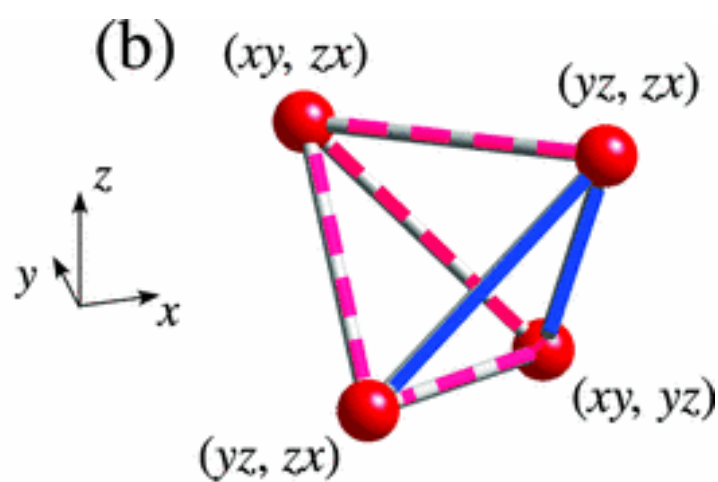
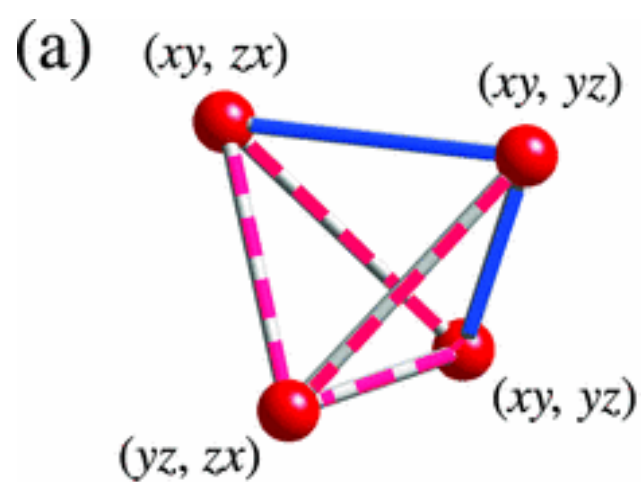


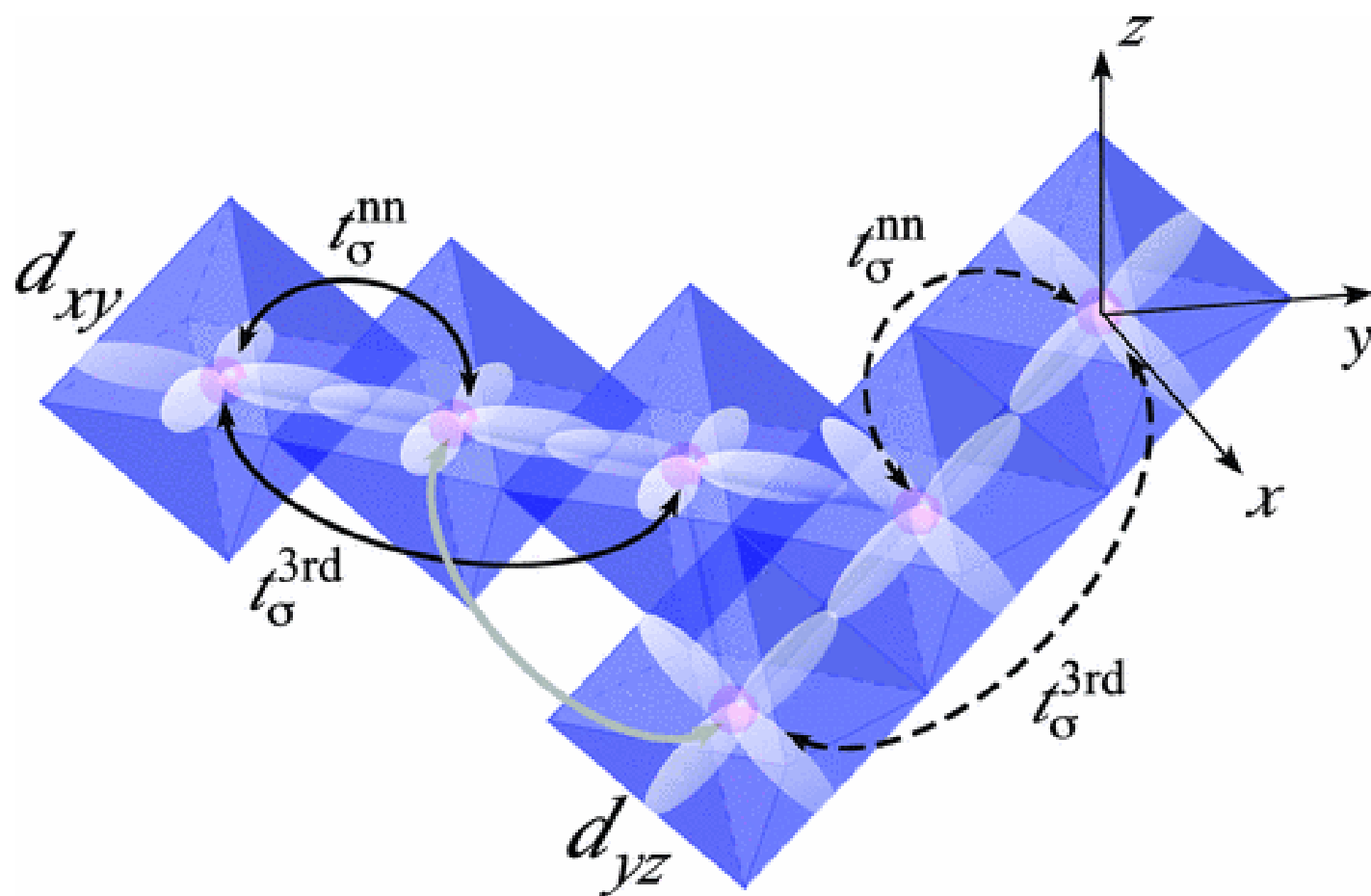
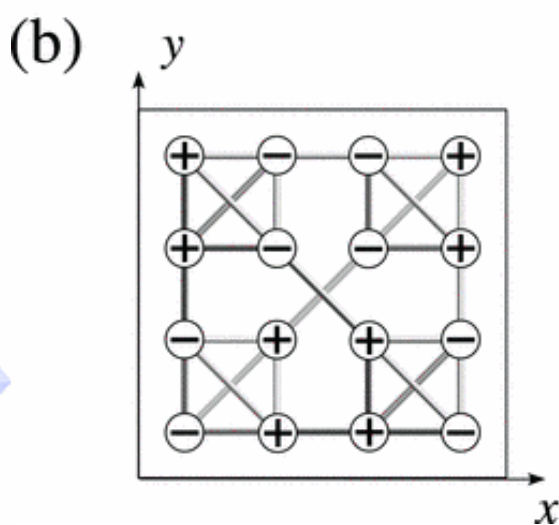
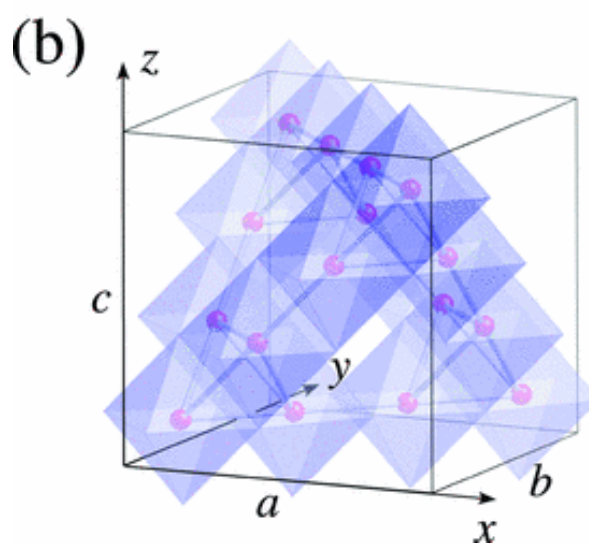
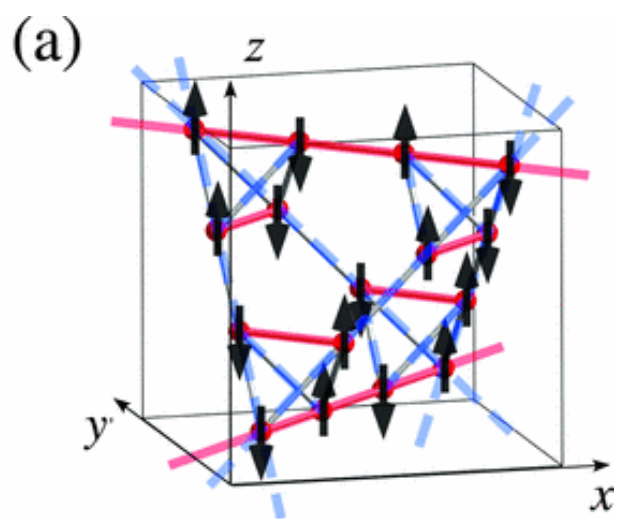
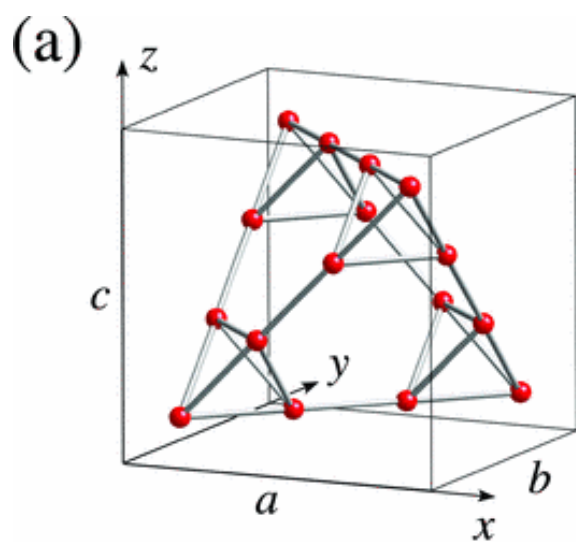


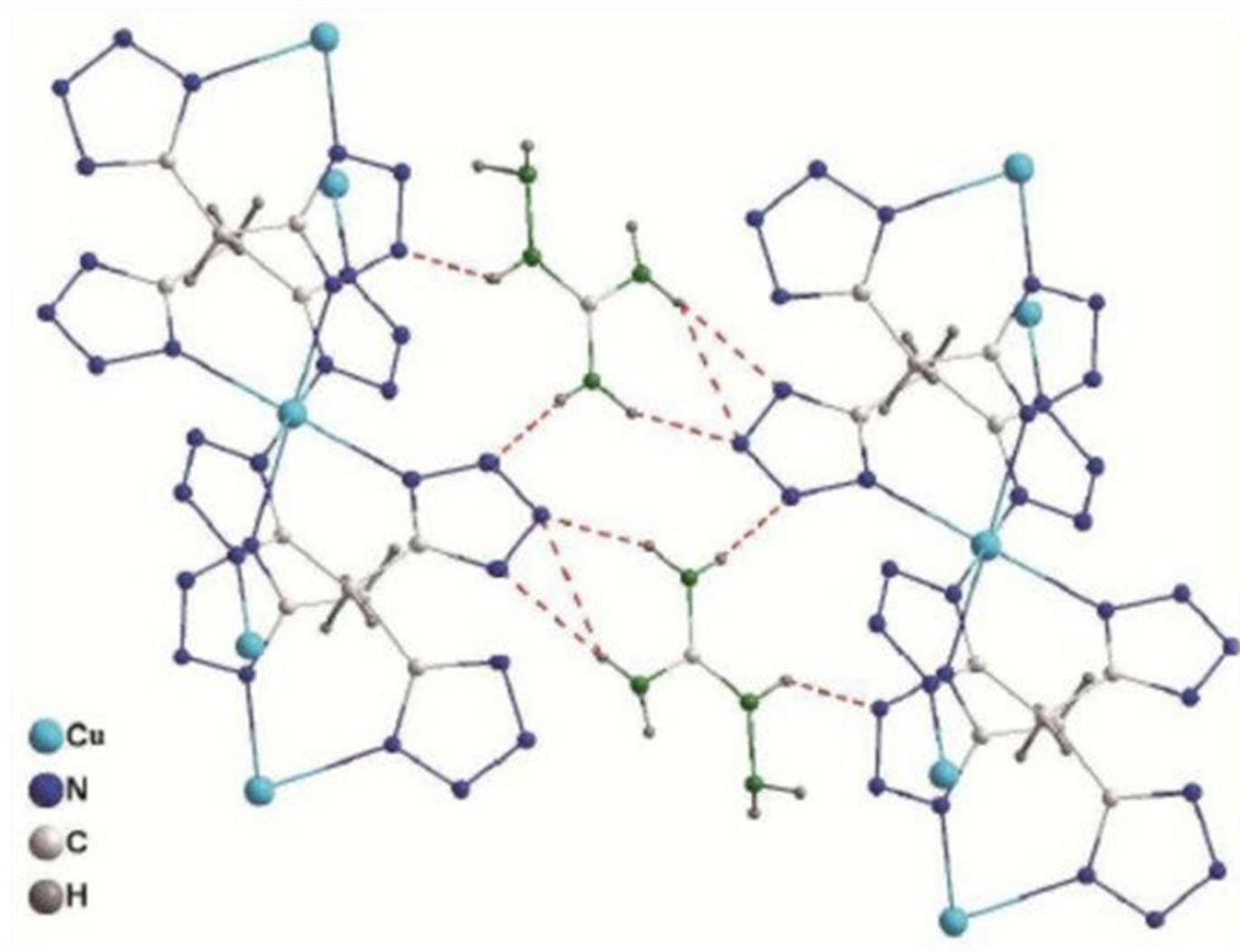




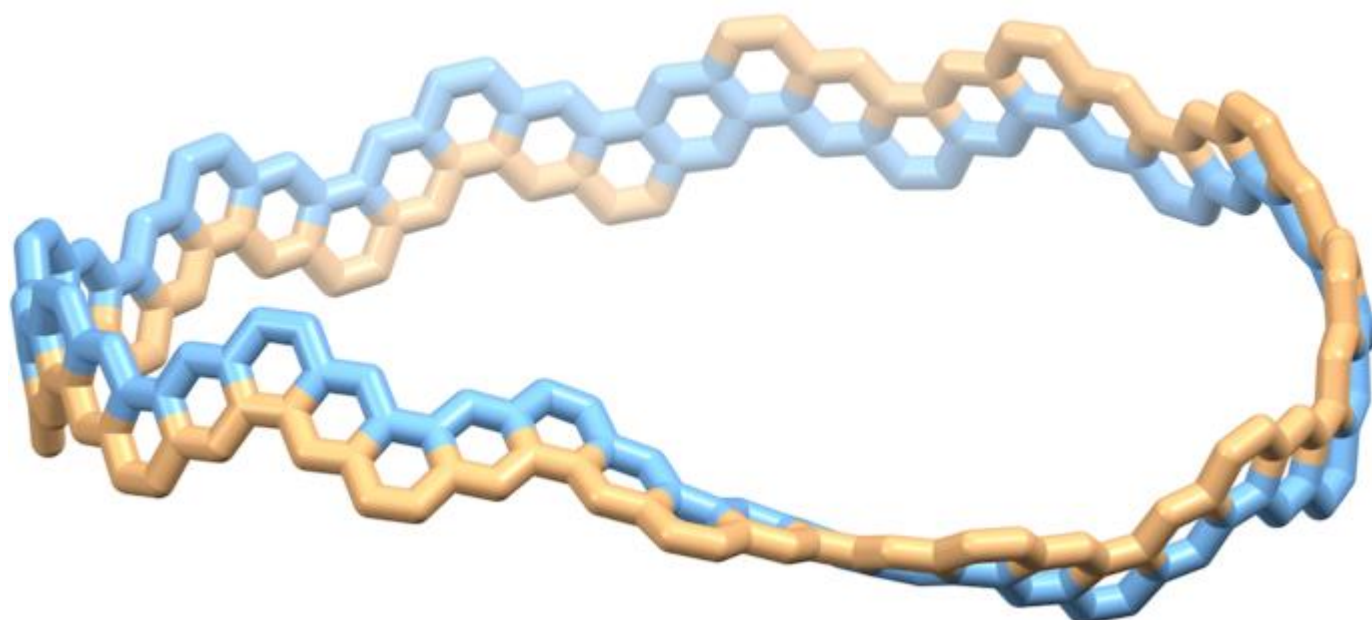


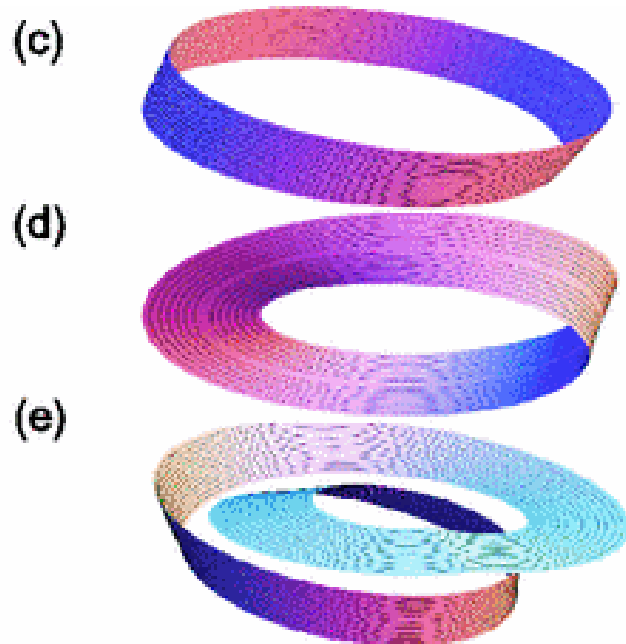
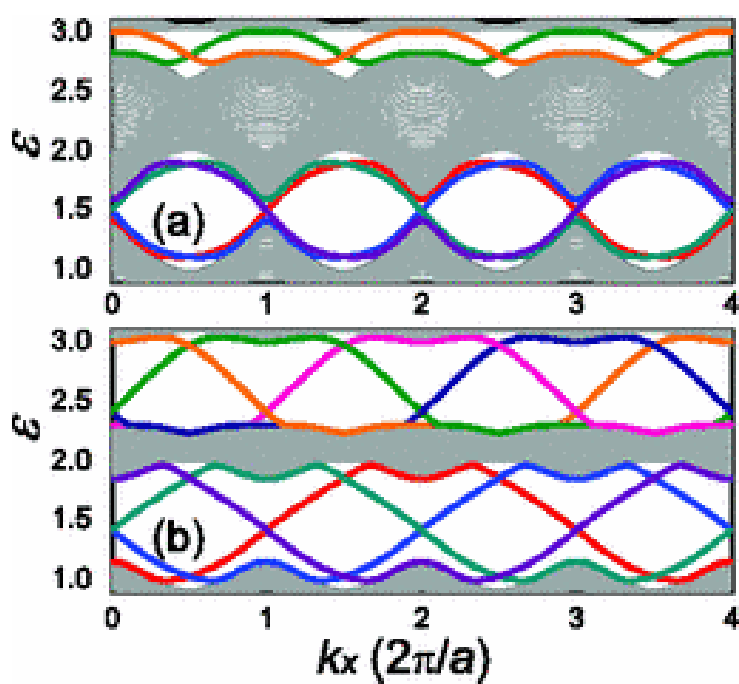
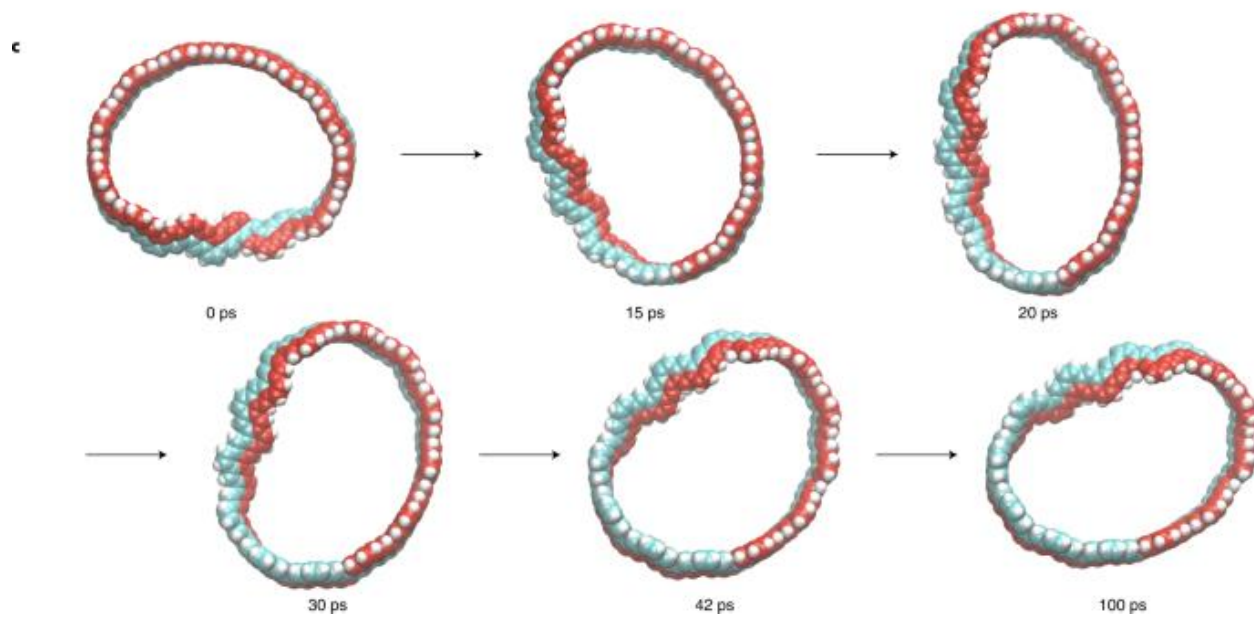
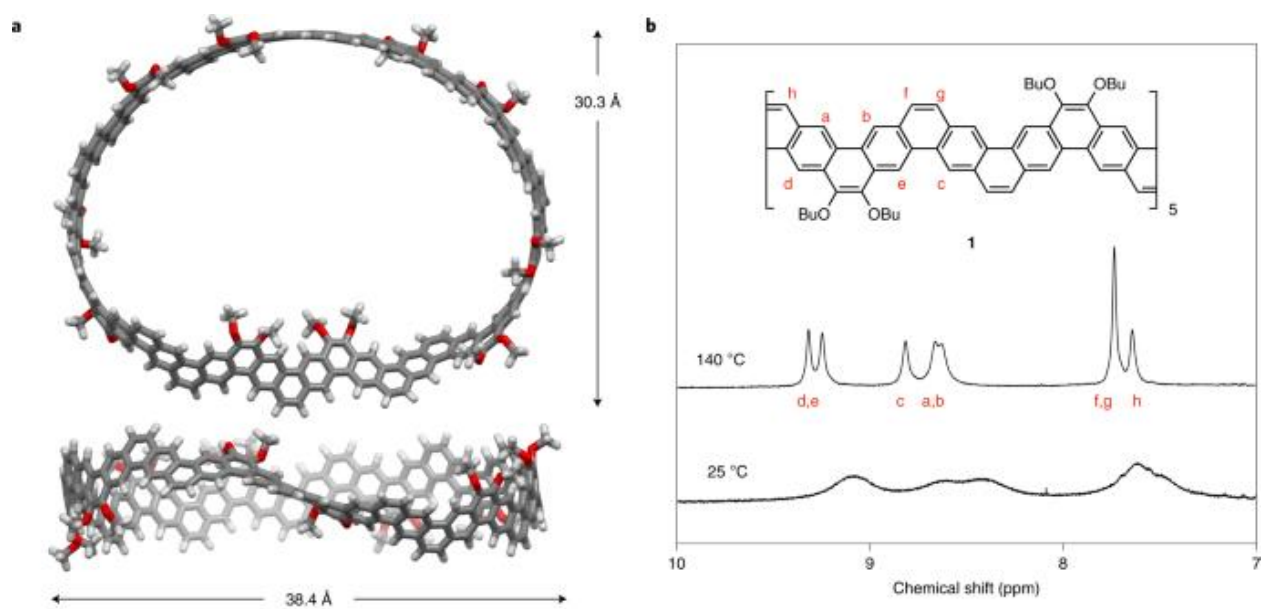


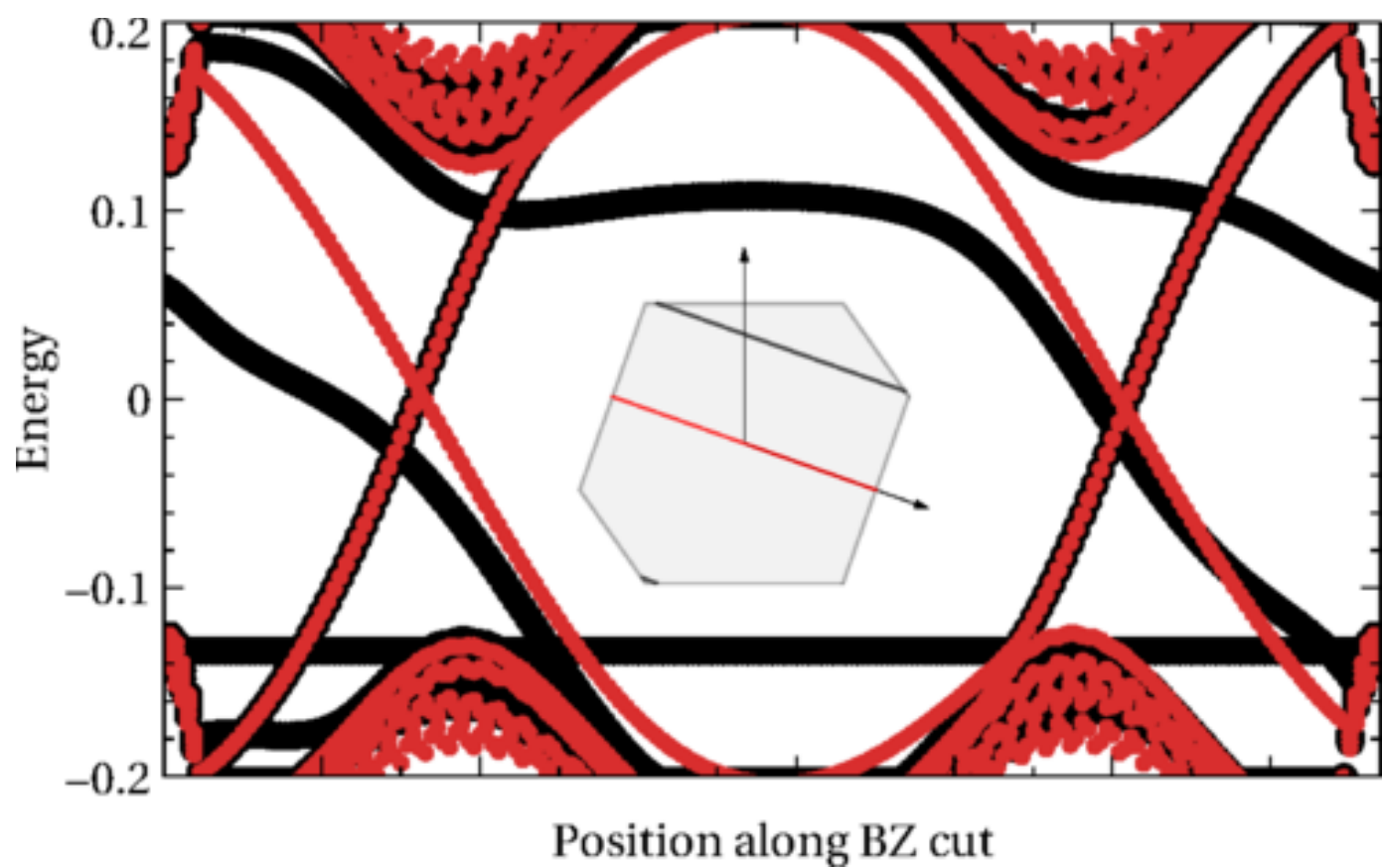
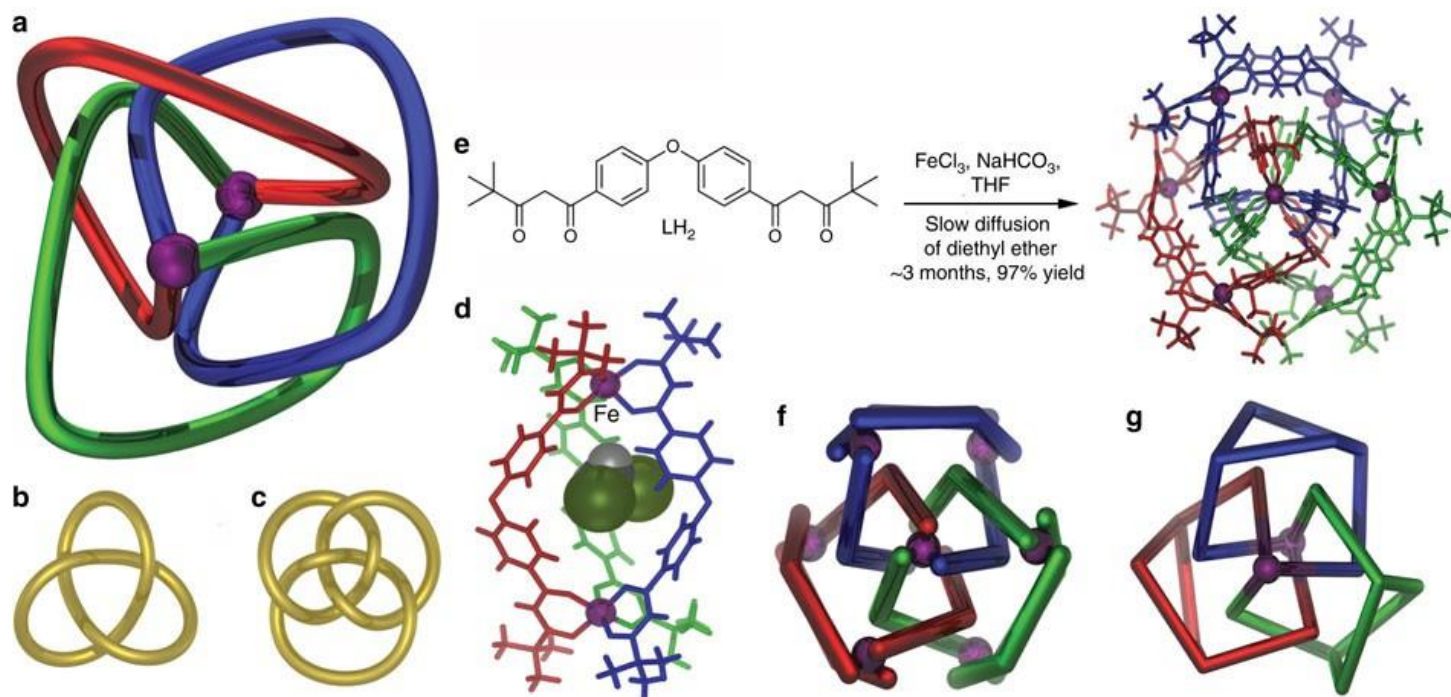


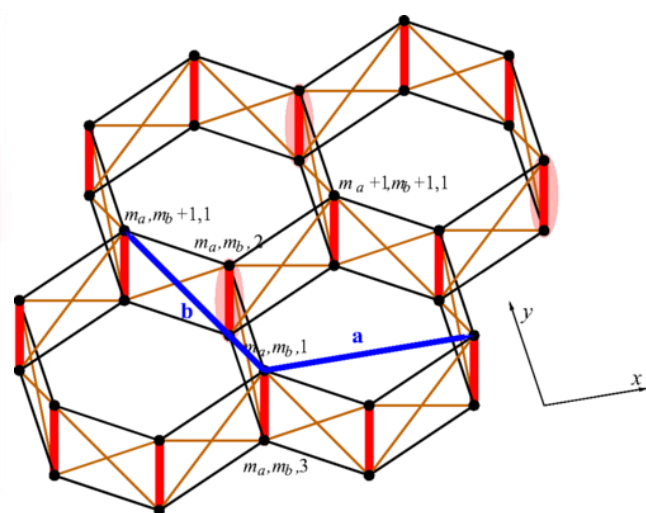
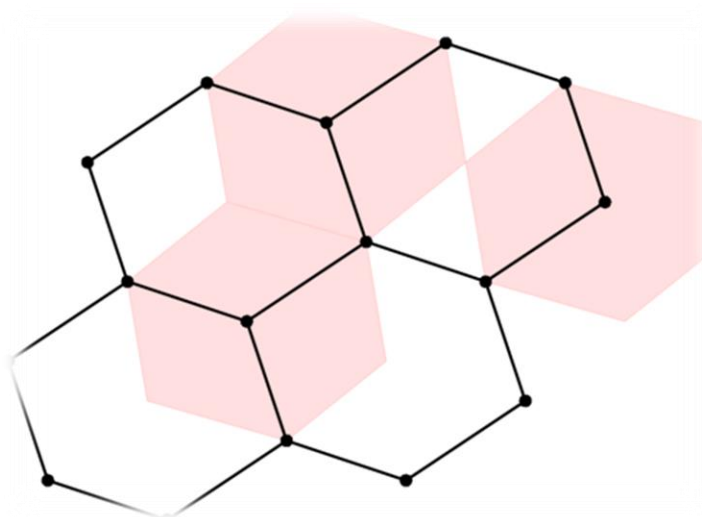
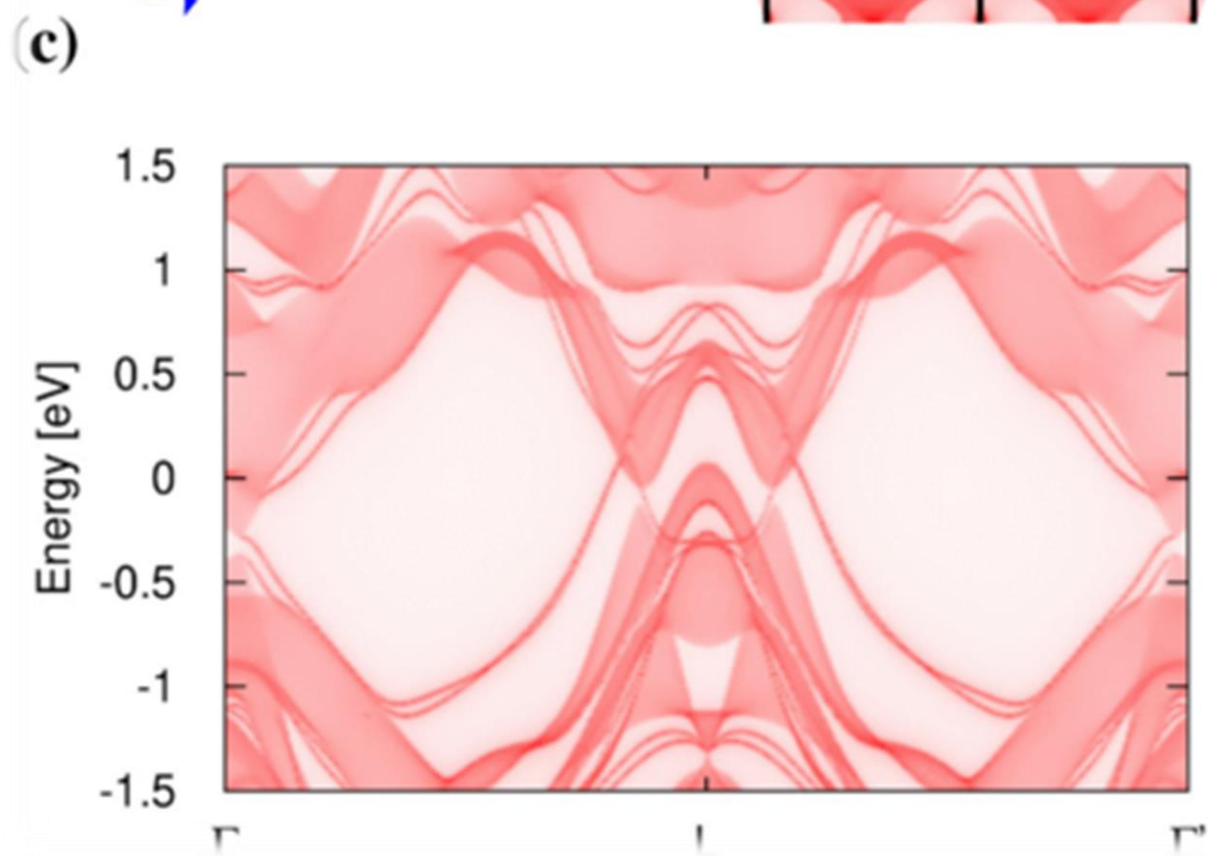
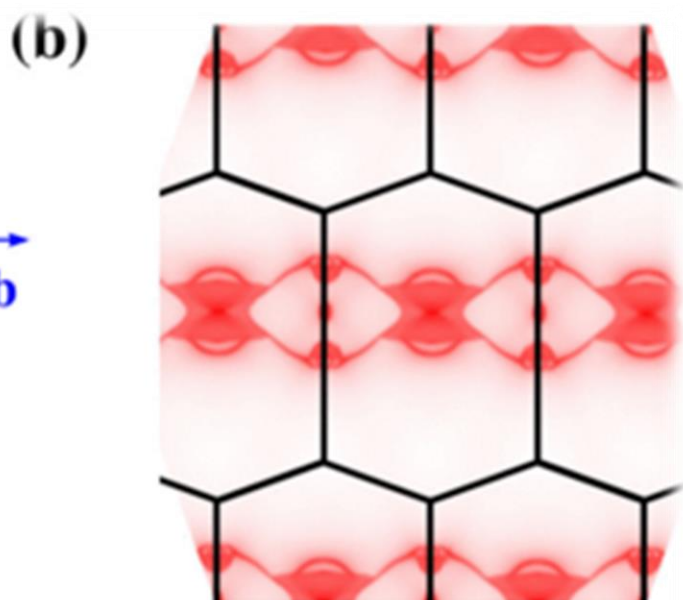
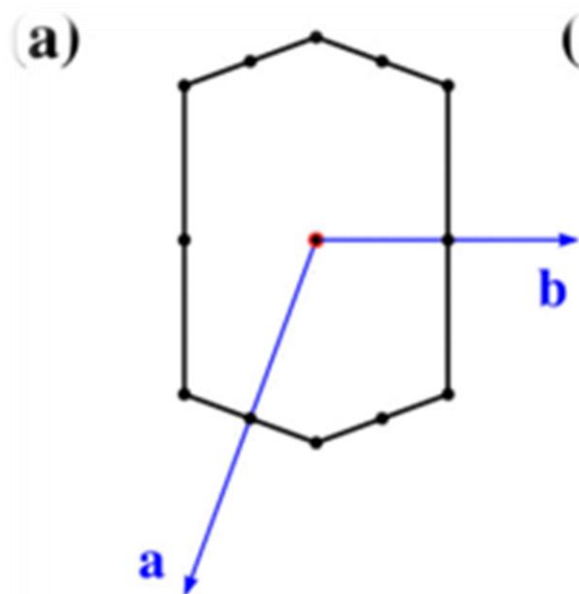


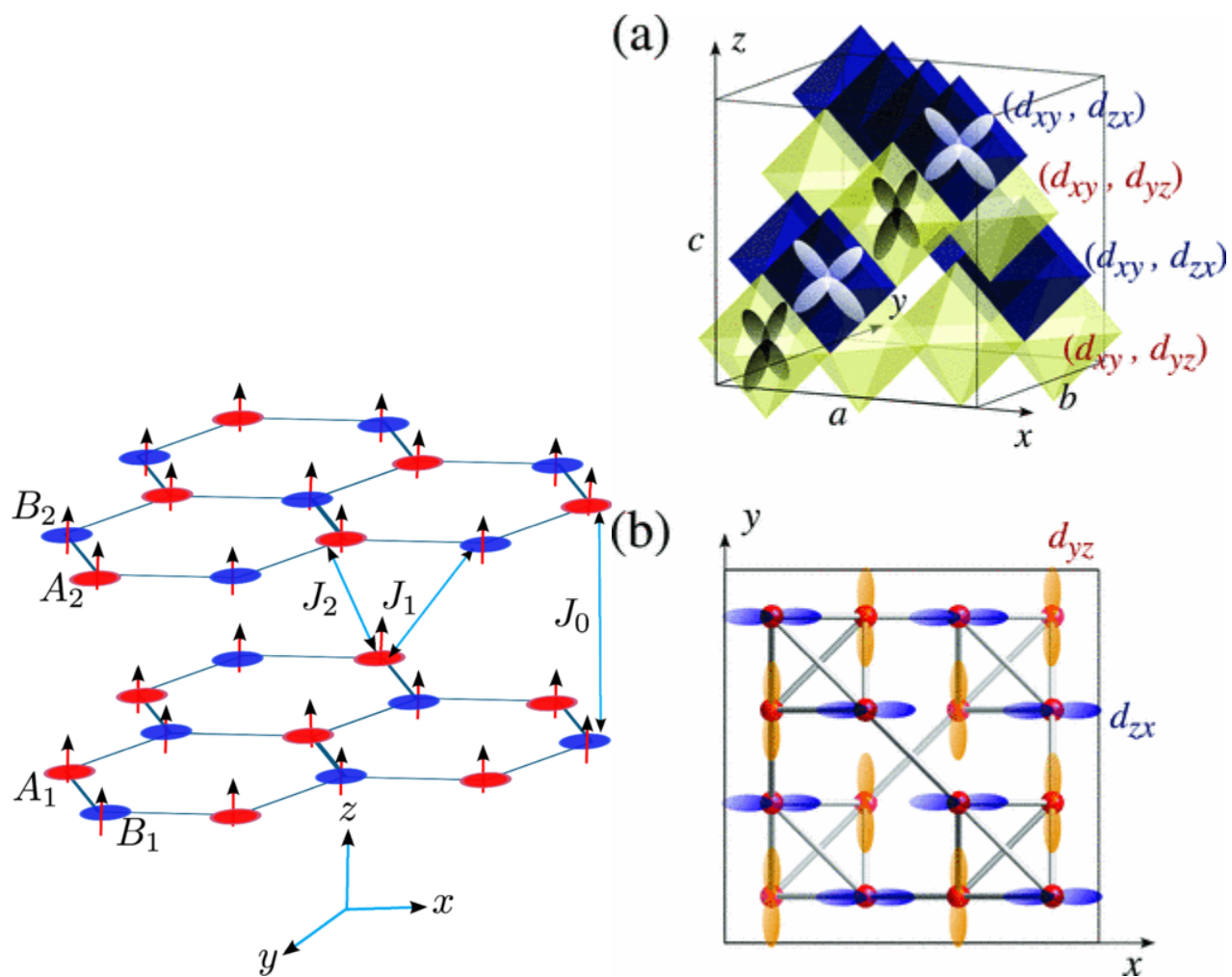
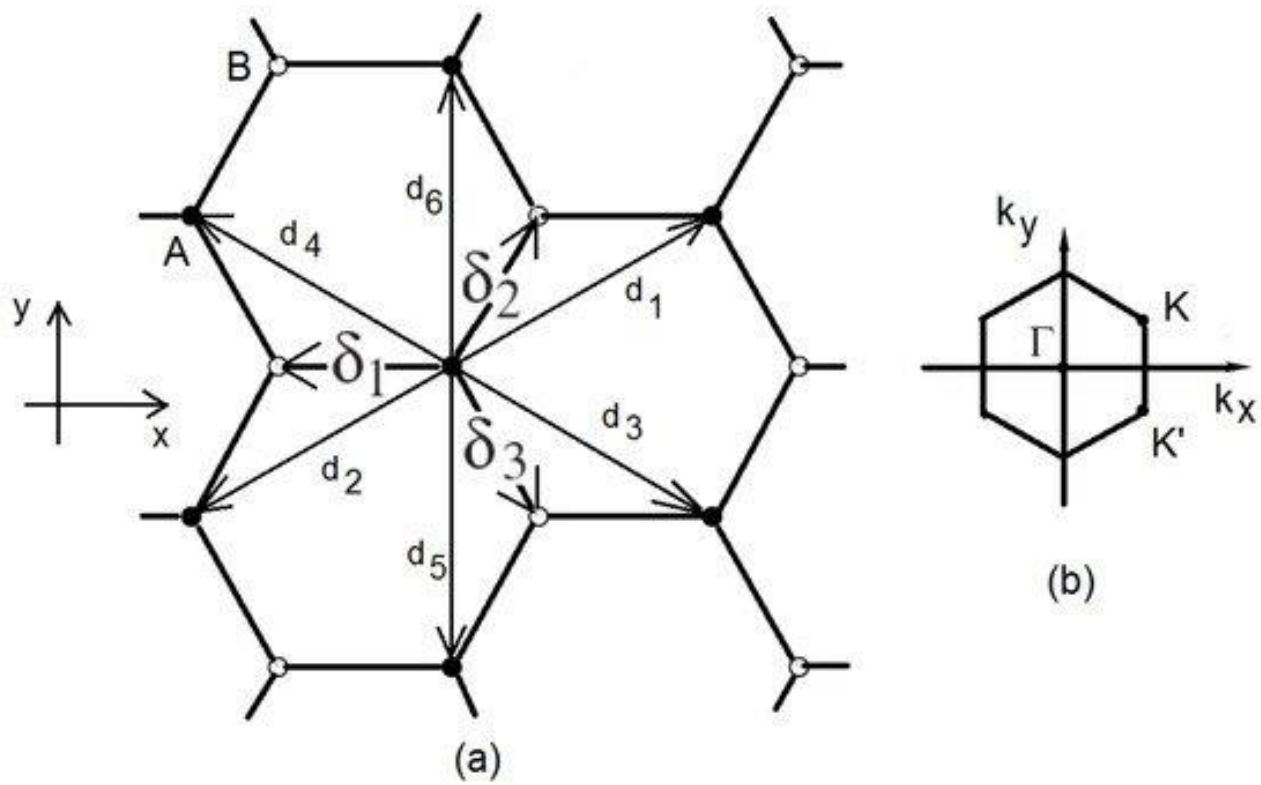
Möbius carbon nanobelt

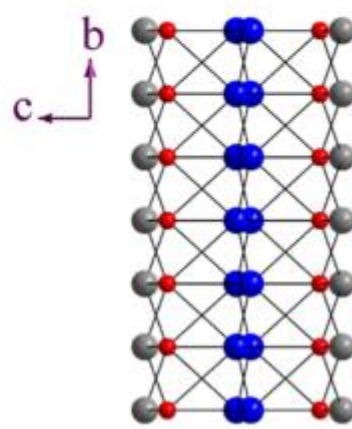
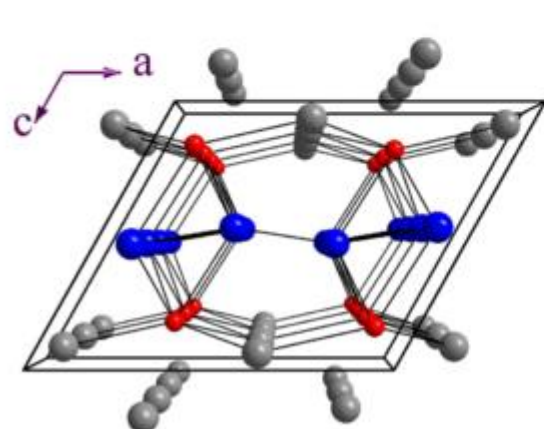
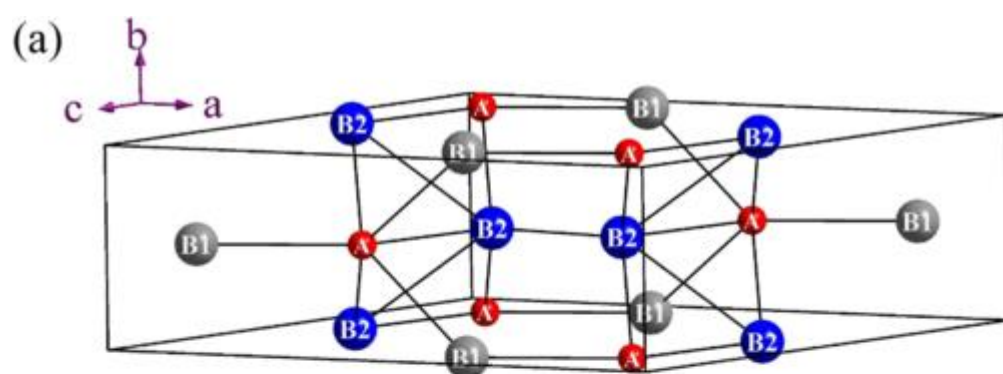






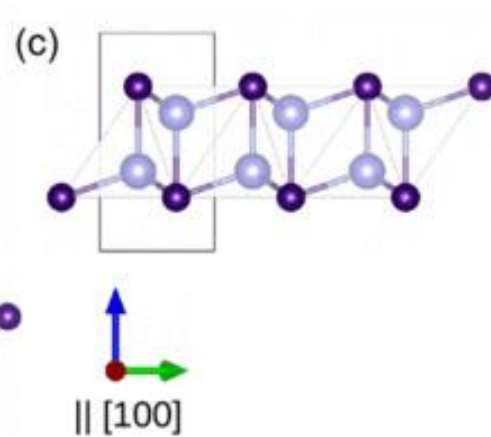
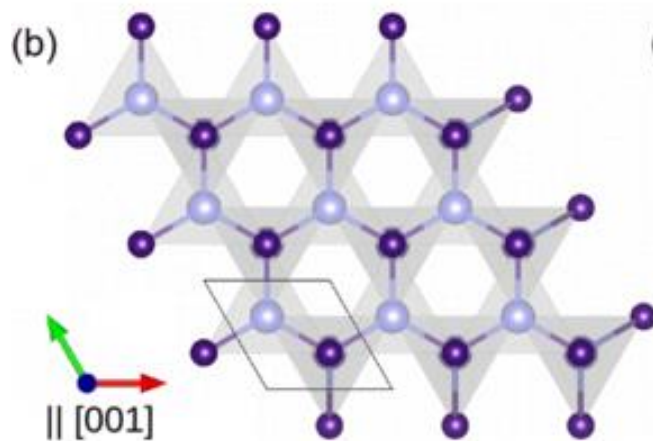
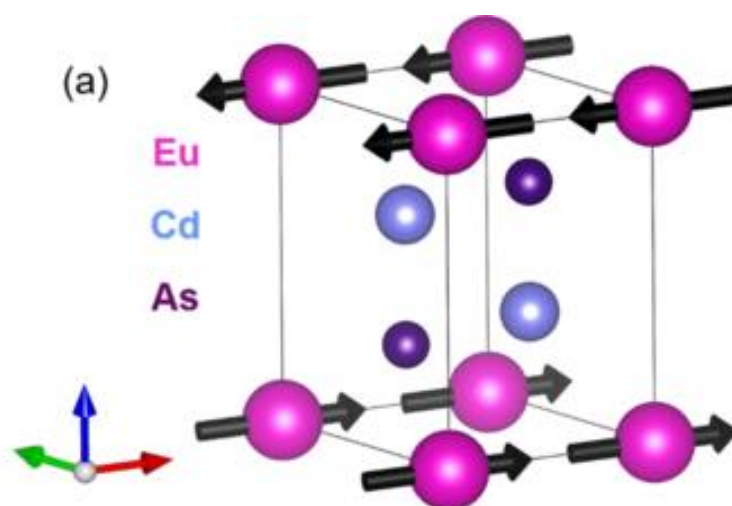


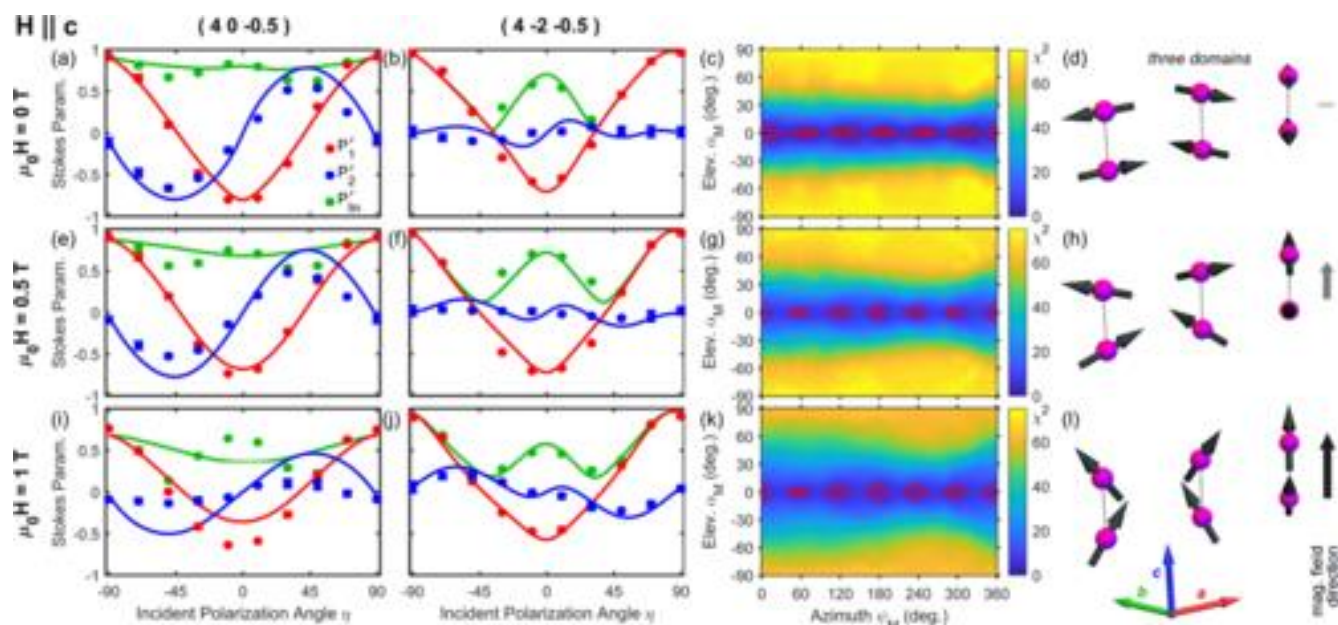
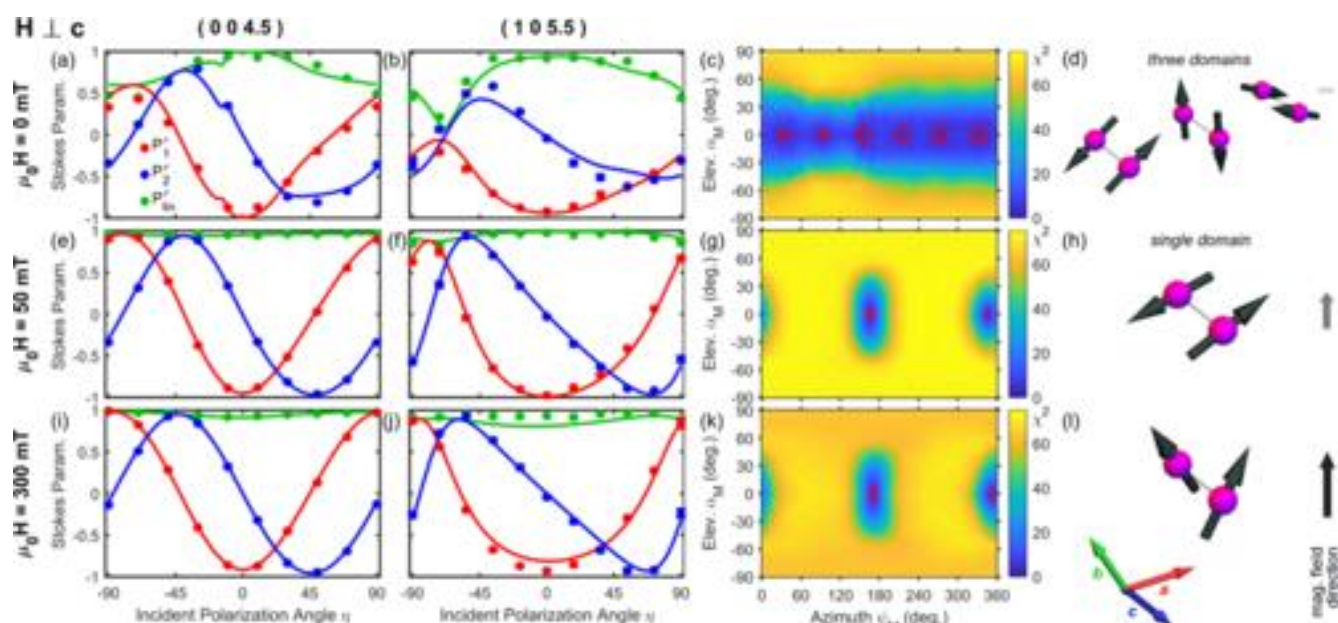
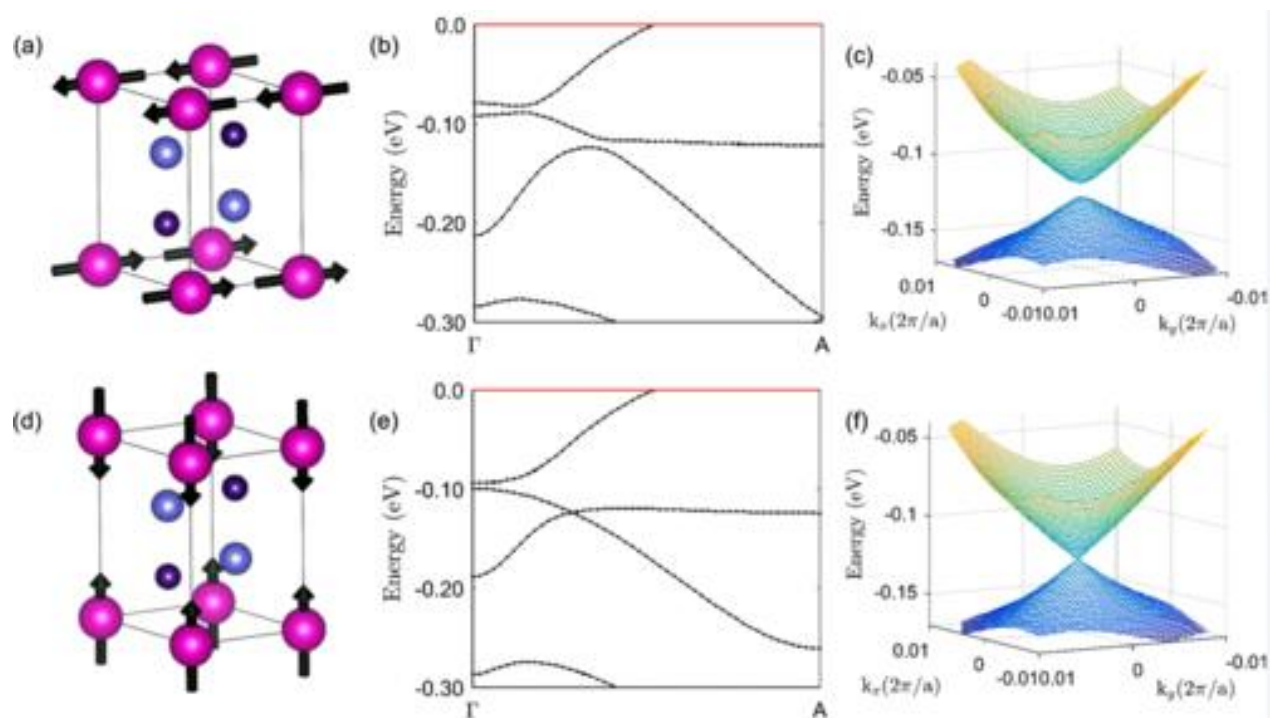


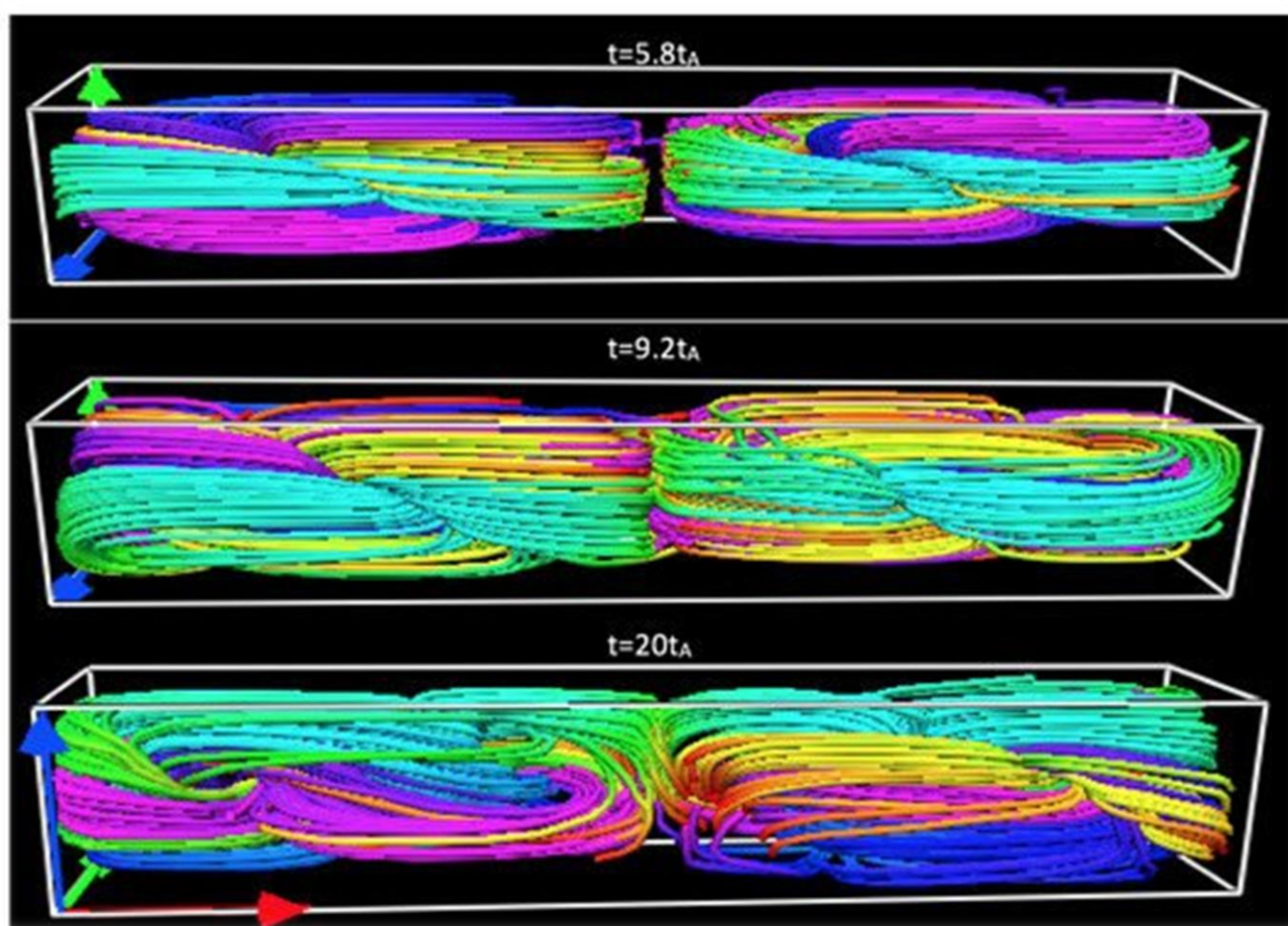
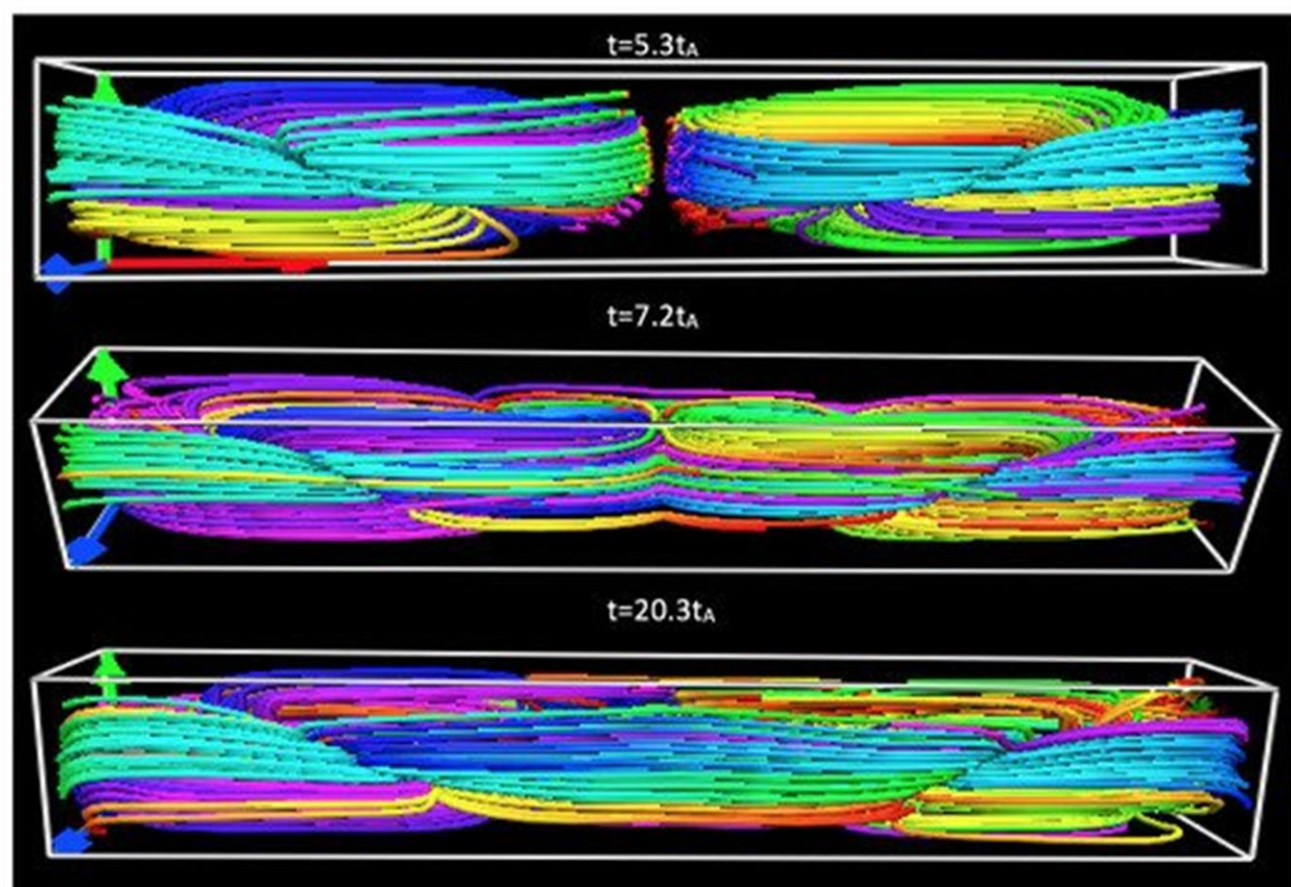


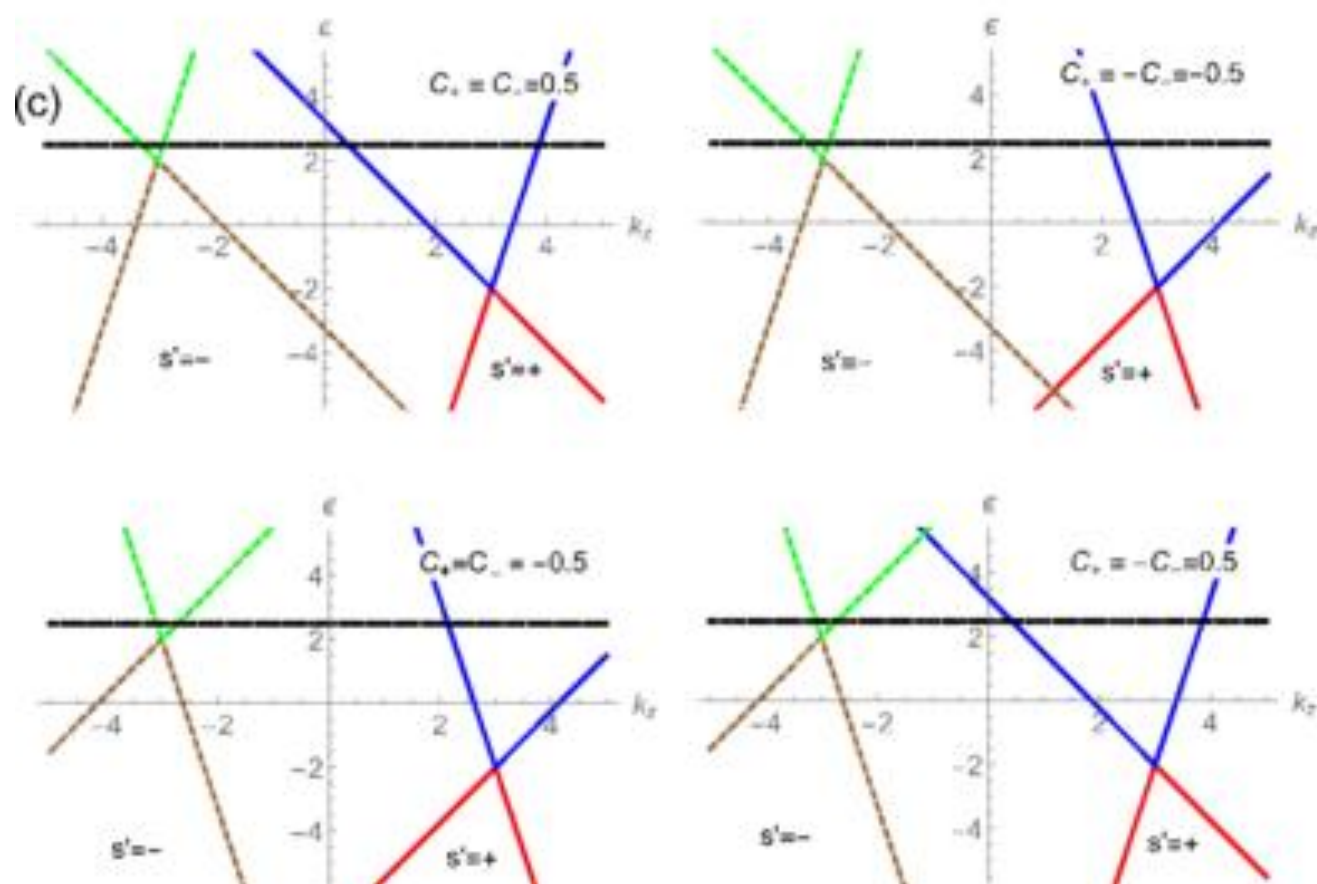
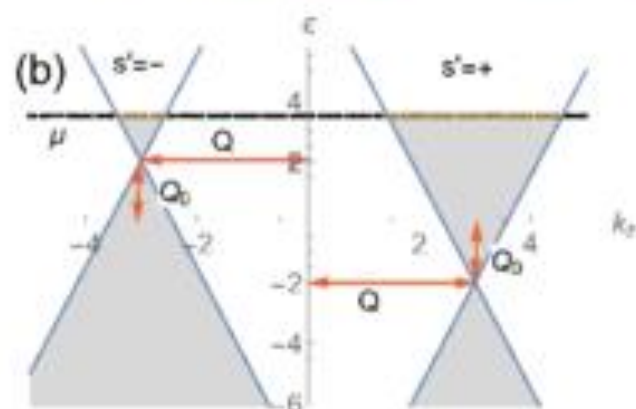
(b)

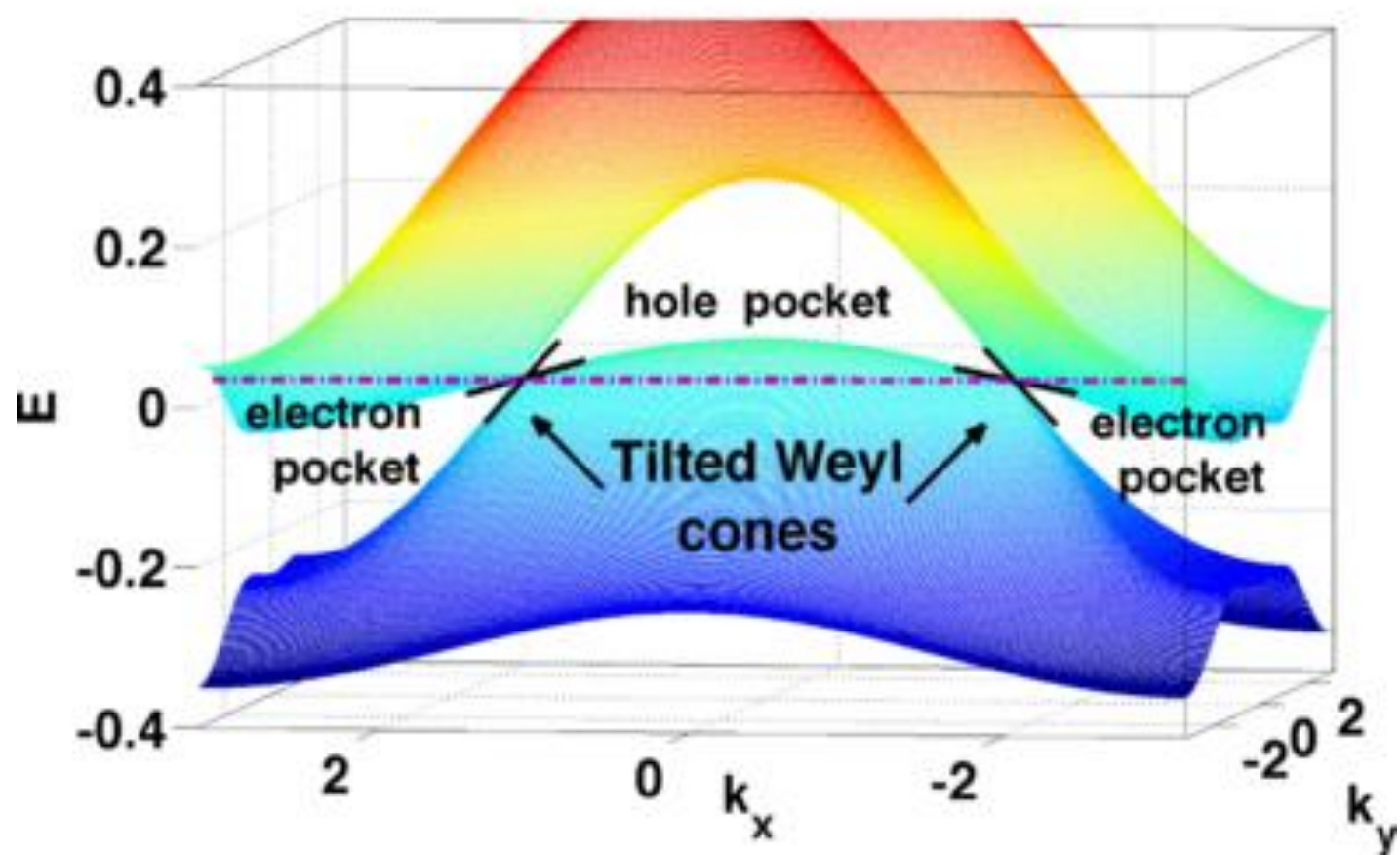
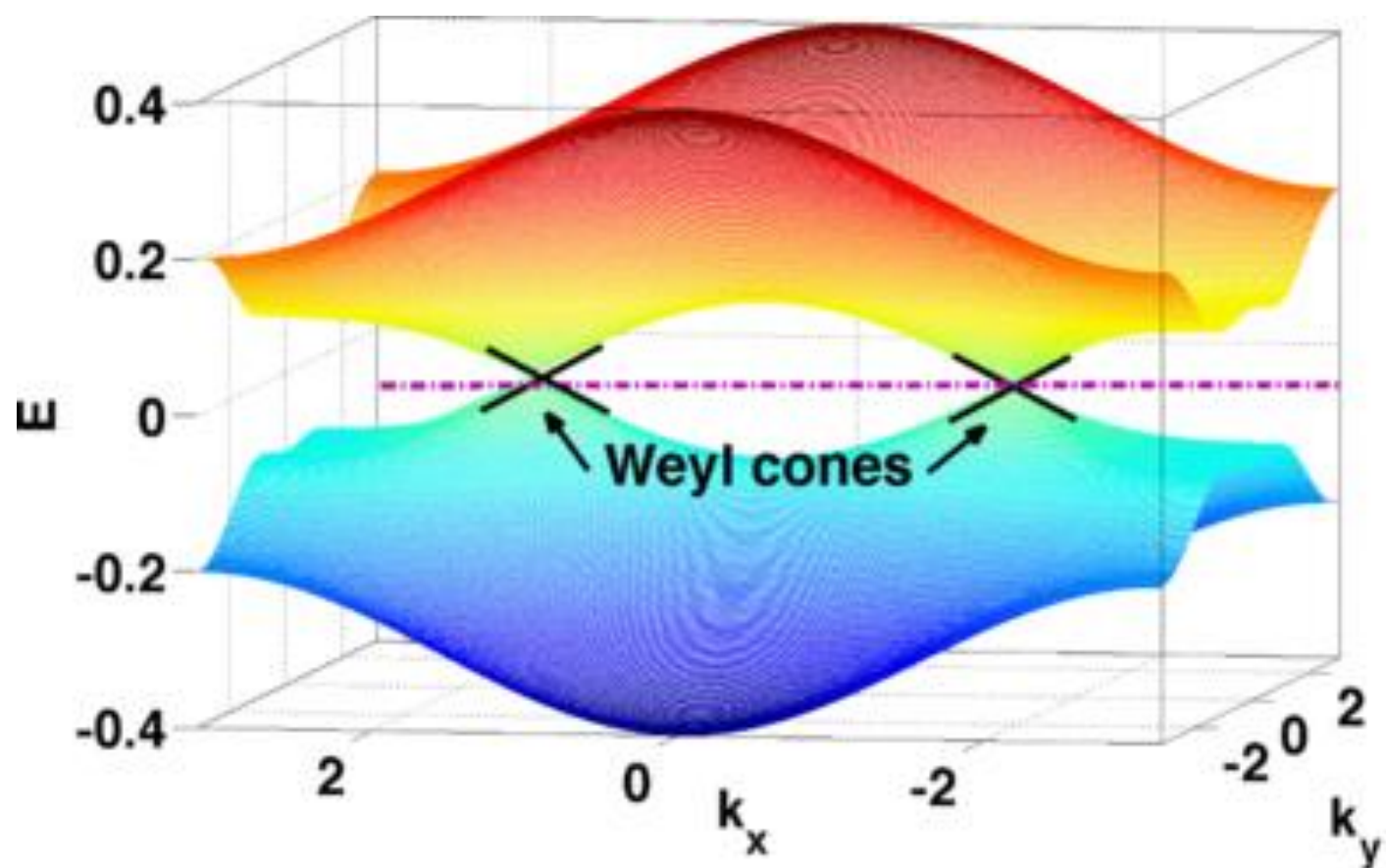
(c)

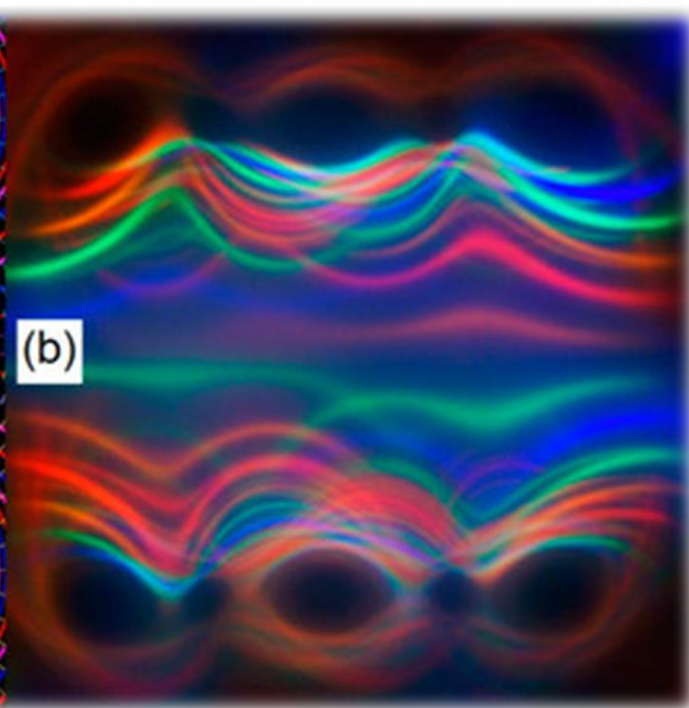
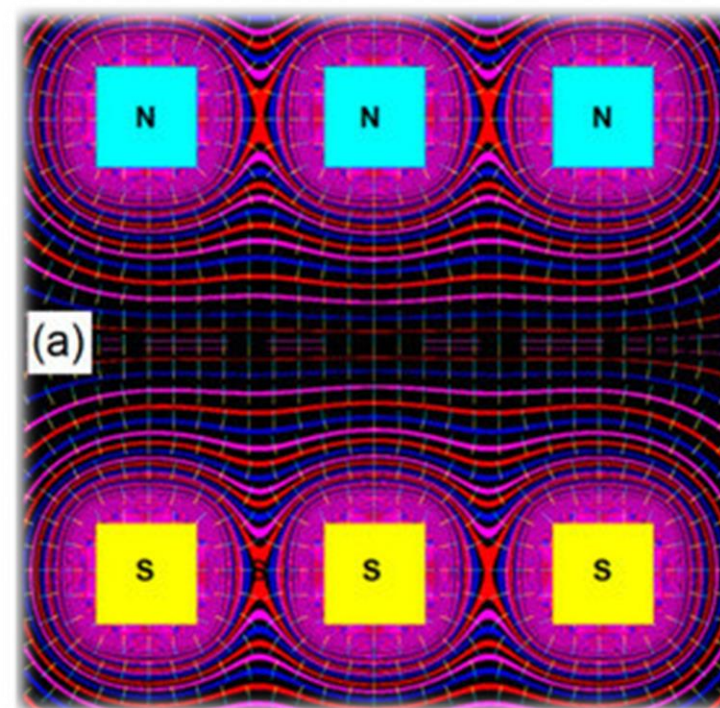
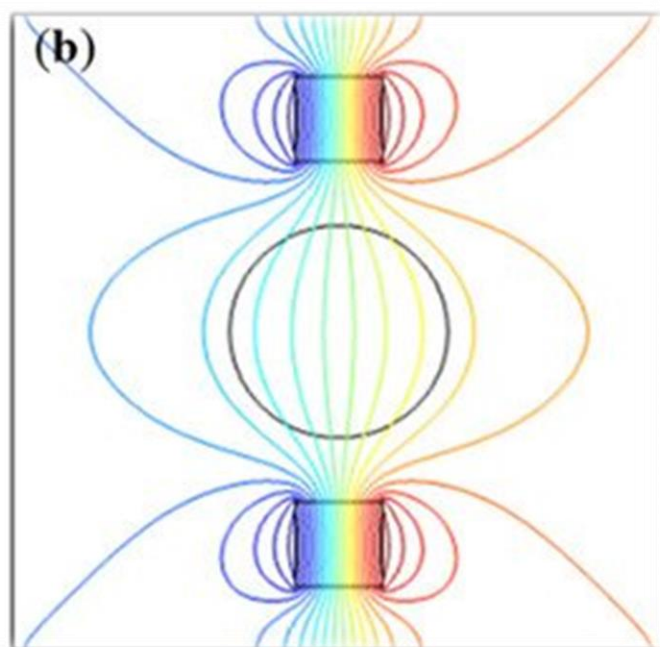
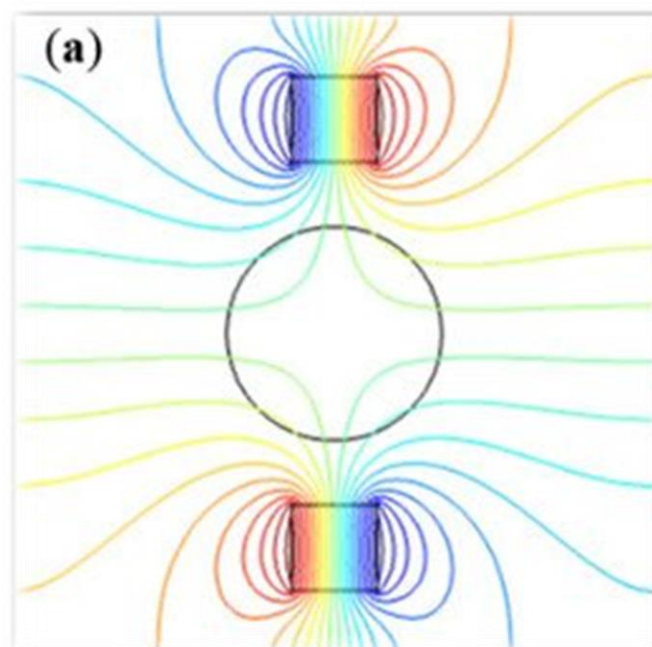


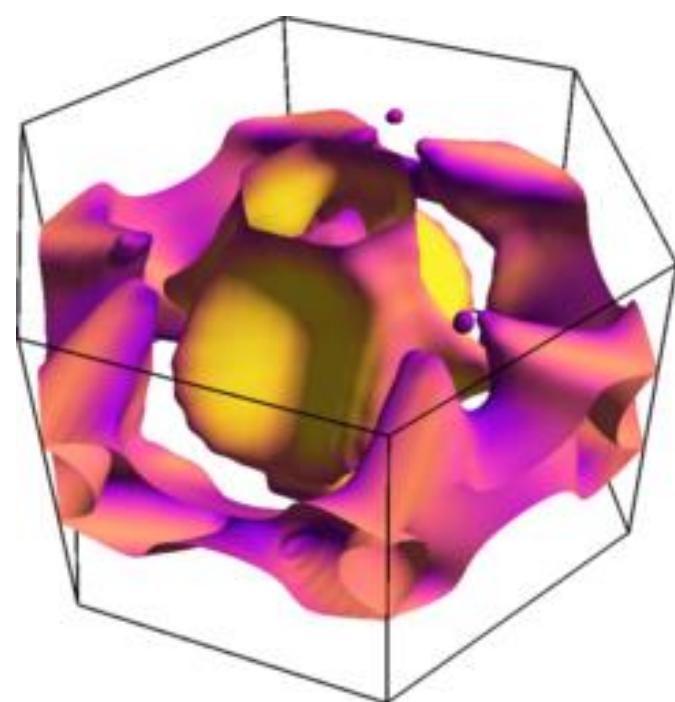
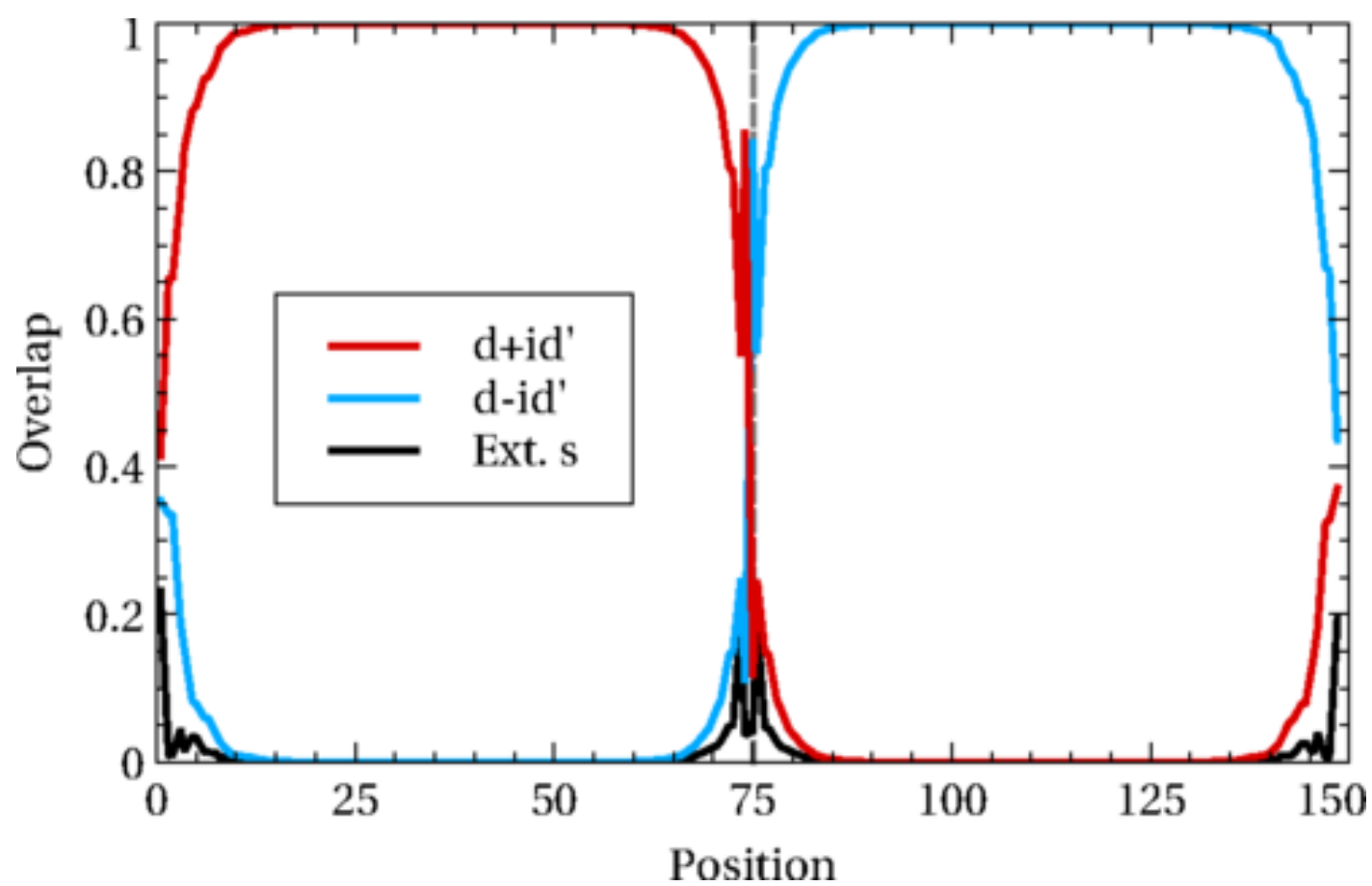




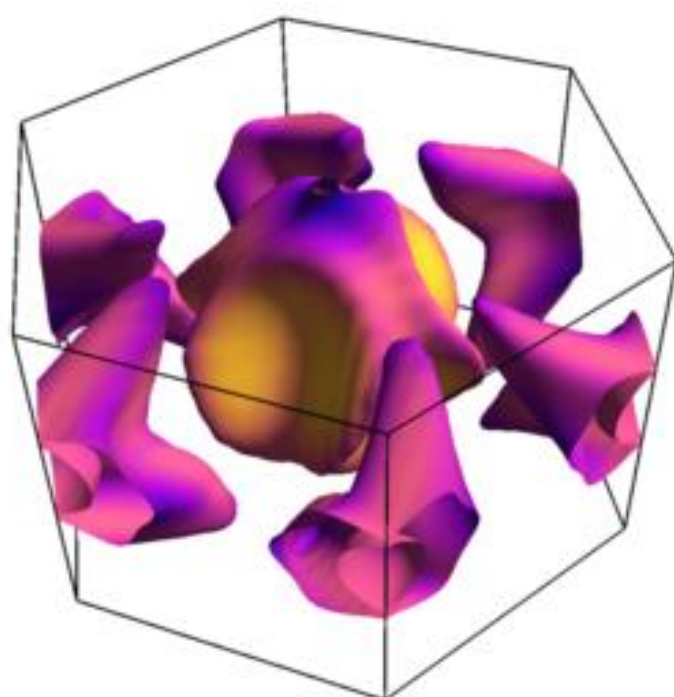




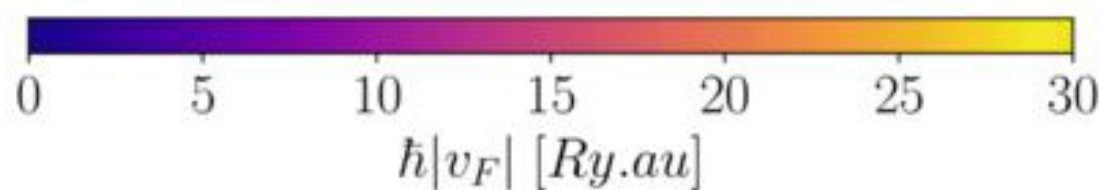


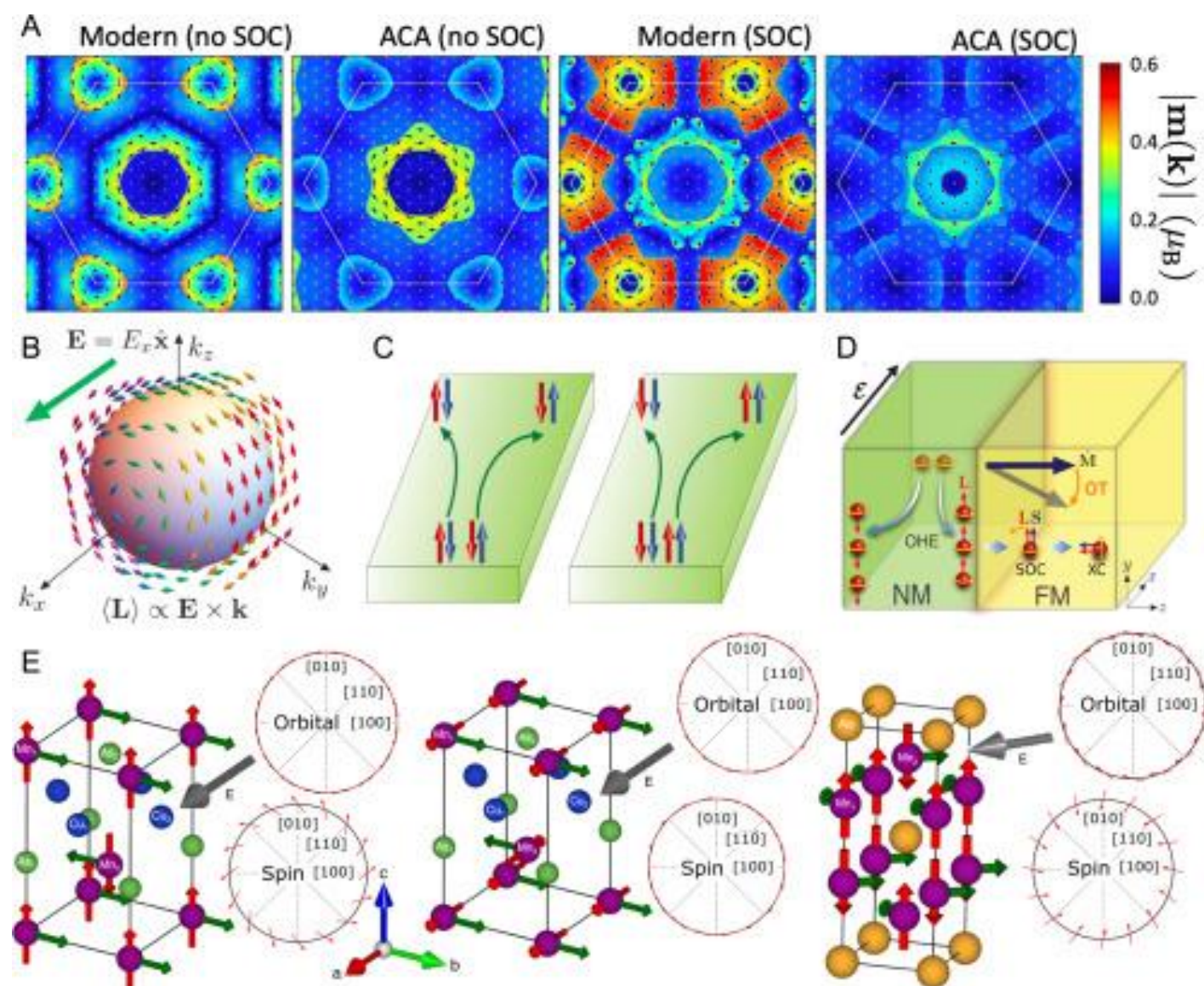
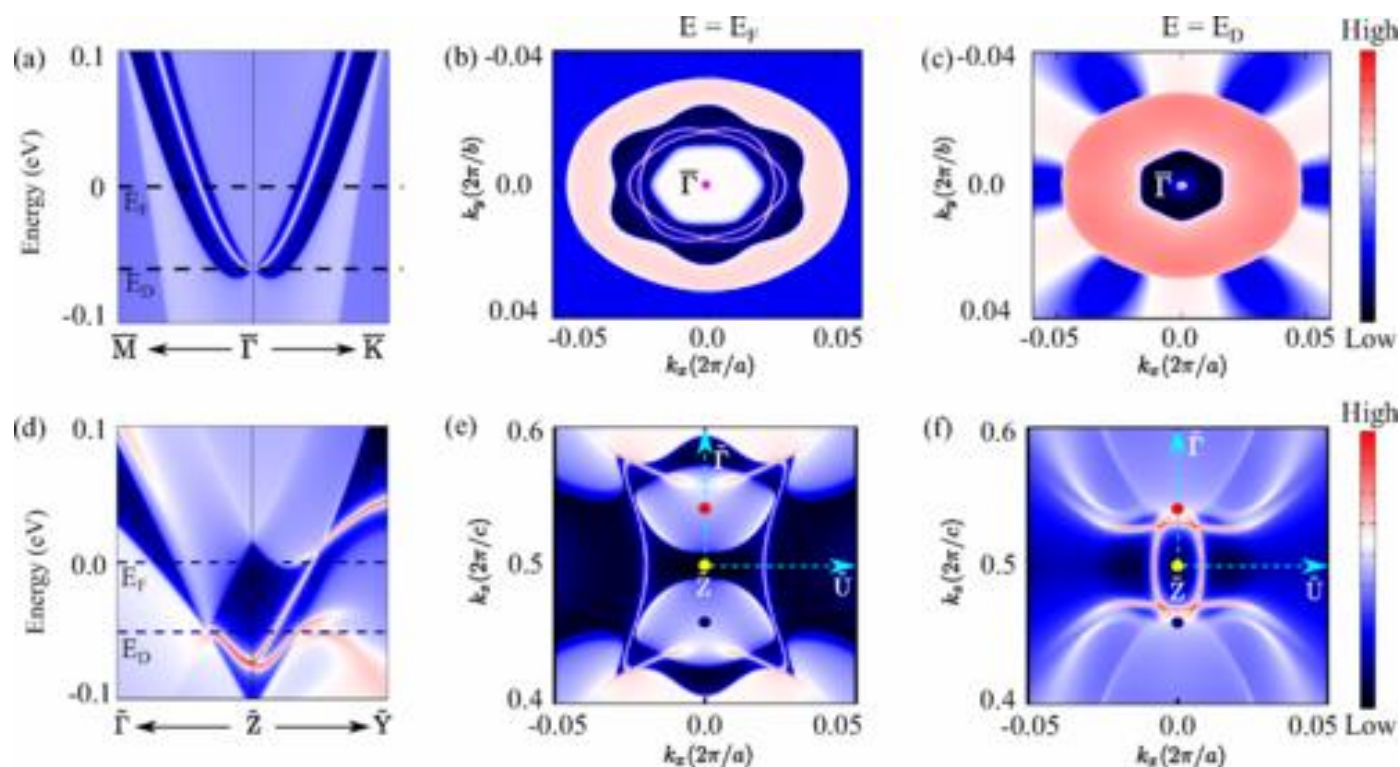


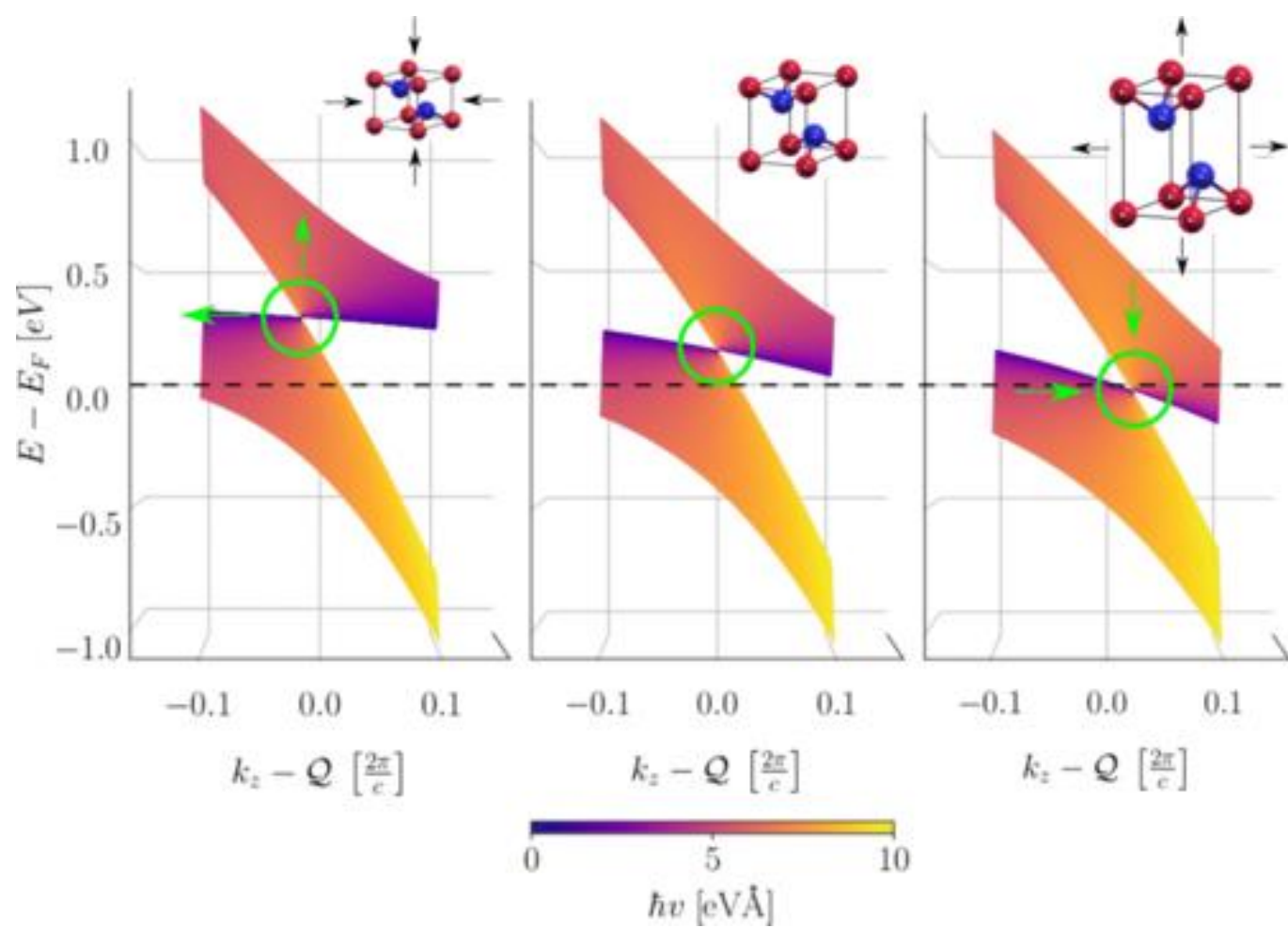
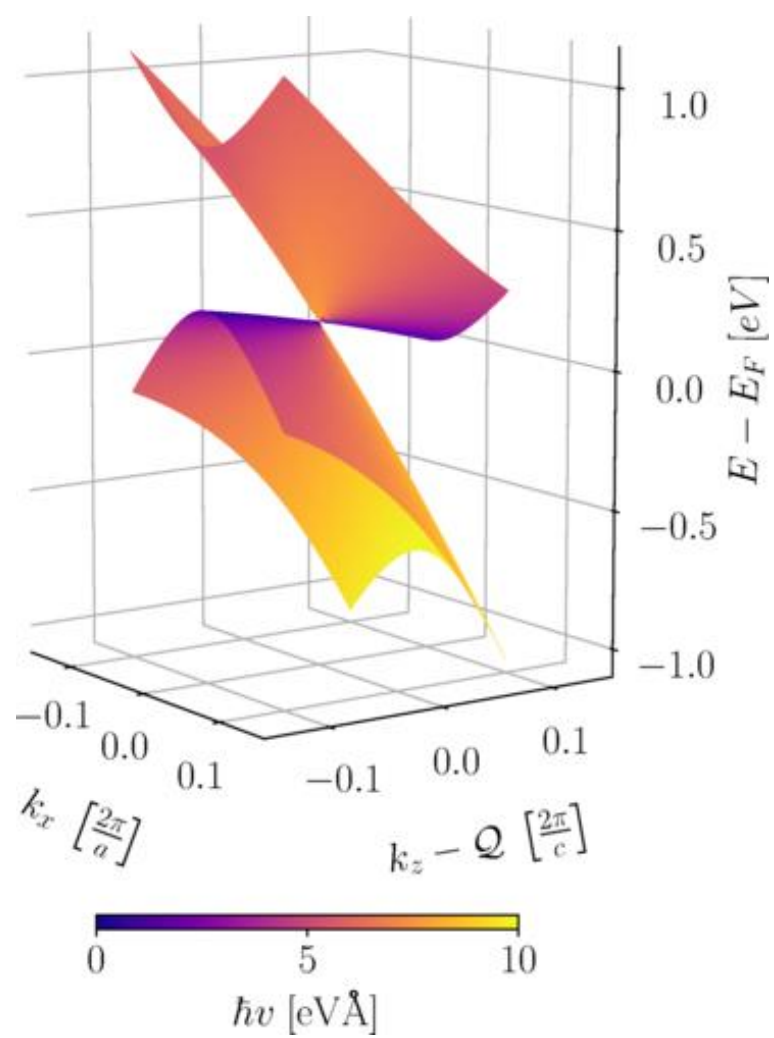
(a) $\eta = (-0.02, -0.02, -0.02)$

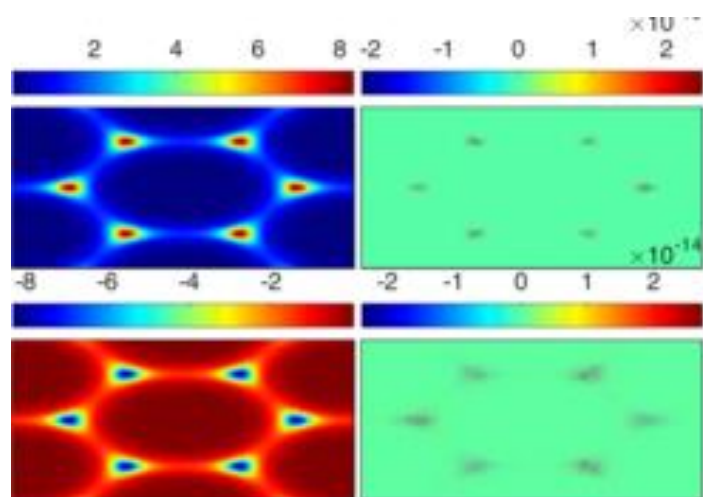
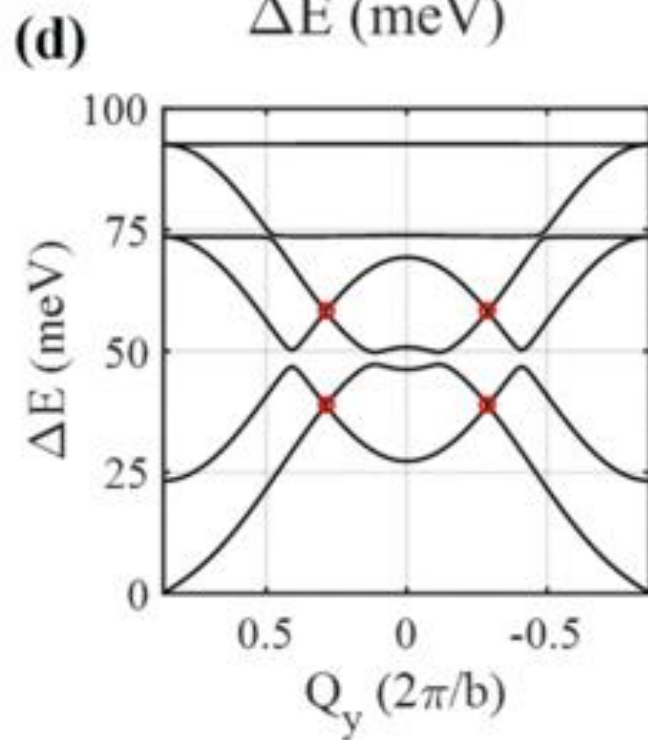
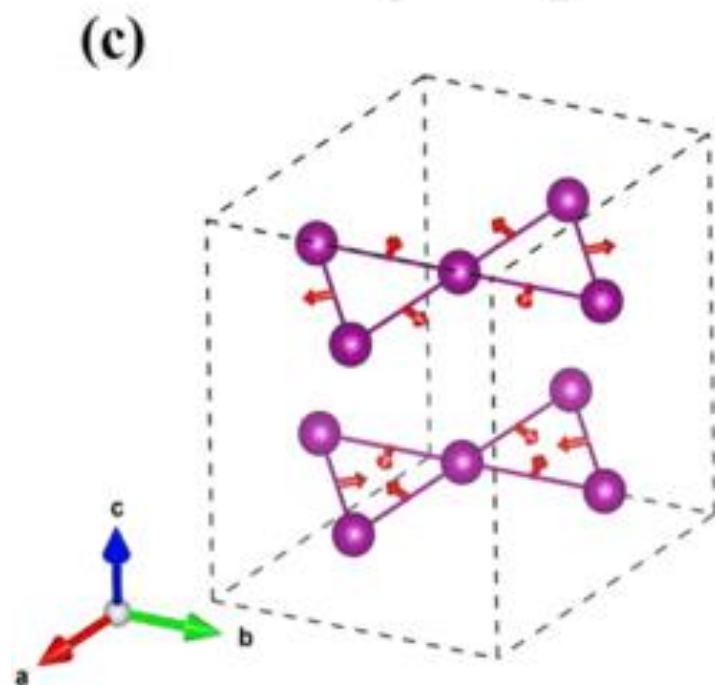
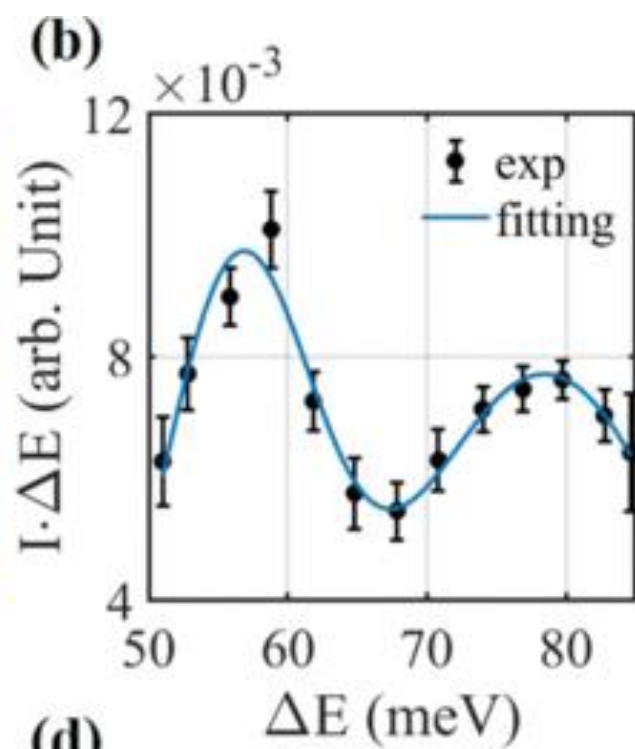
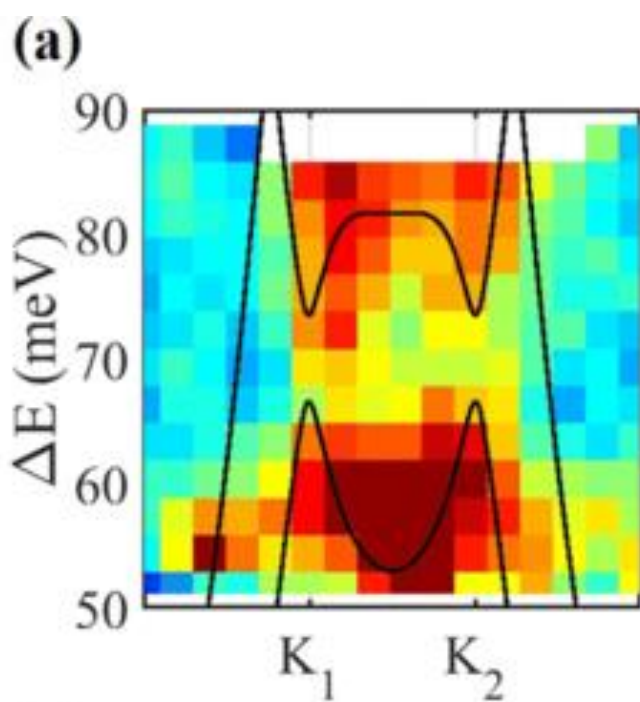


(b) $\eta = (0.02, 0.02, 0.02)$

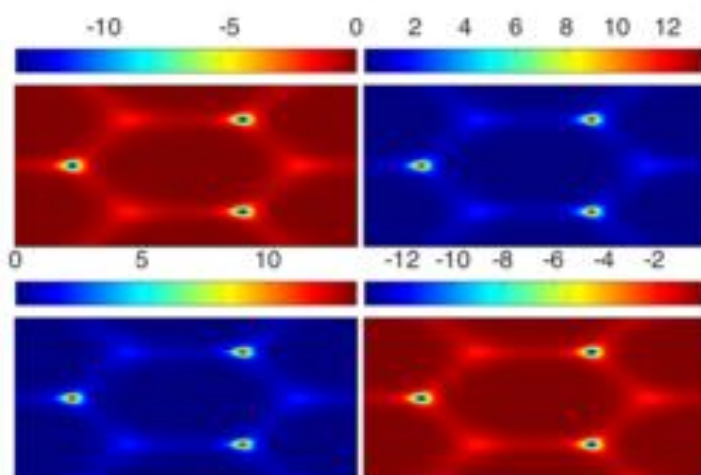




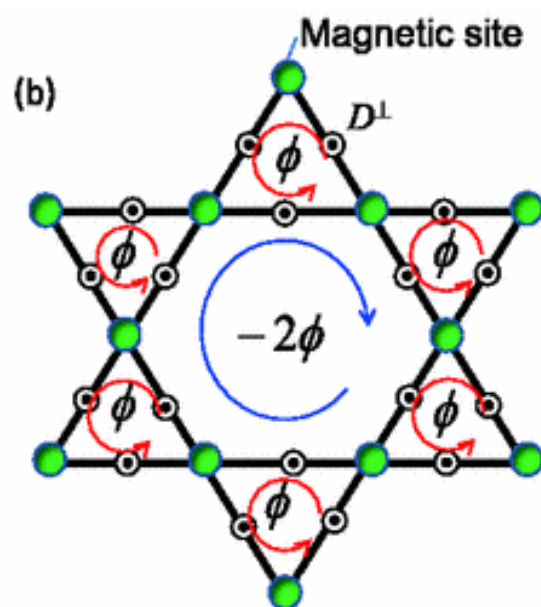
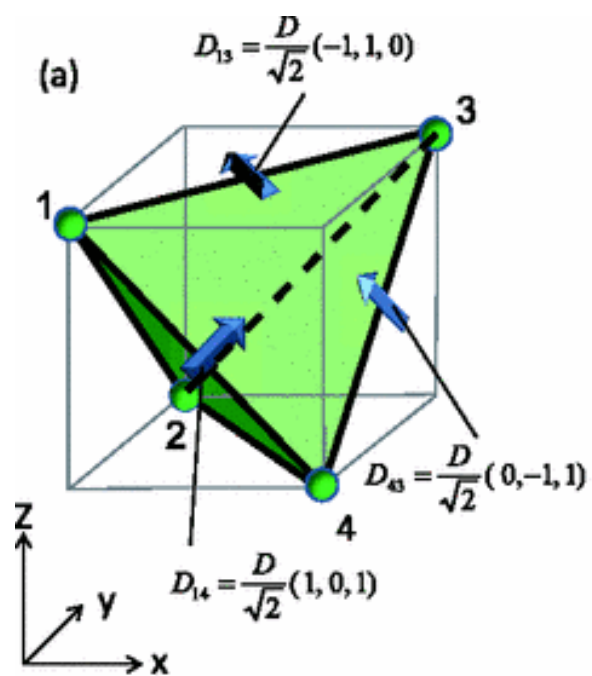




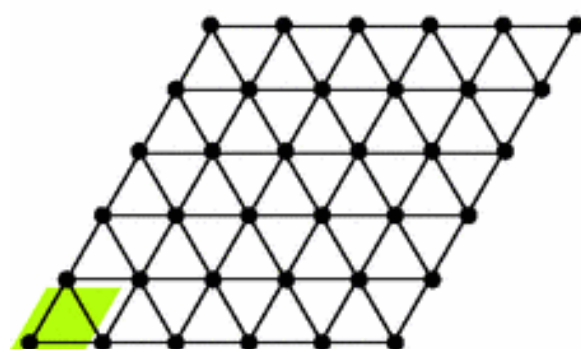
(a)



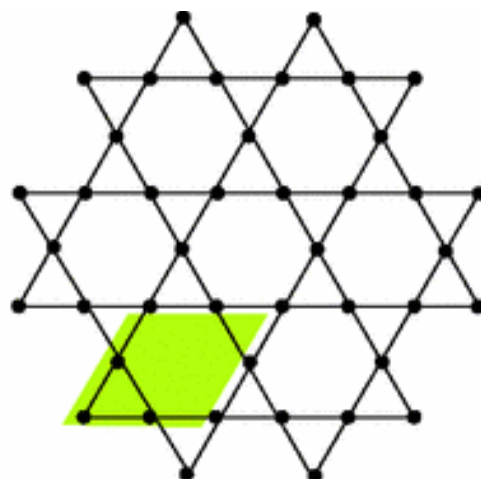
(b)



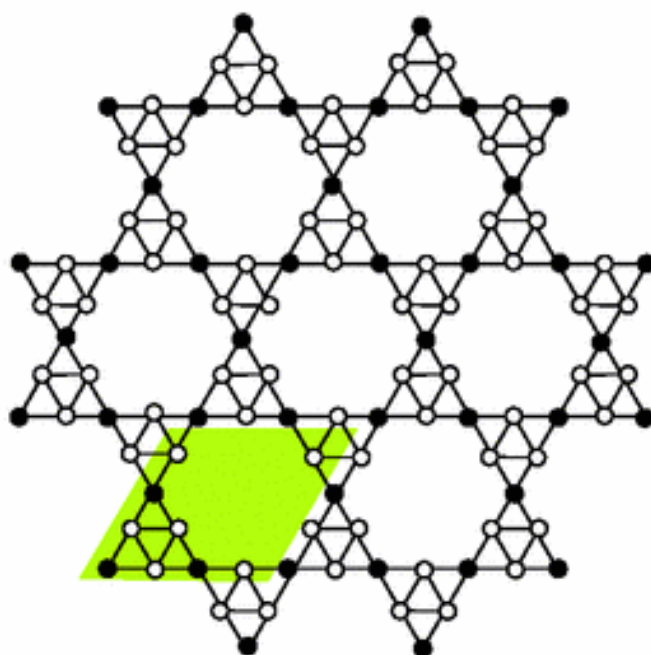
(111) plane



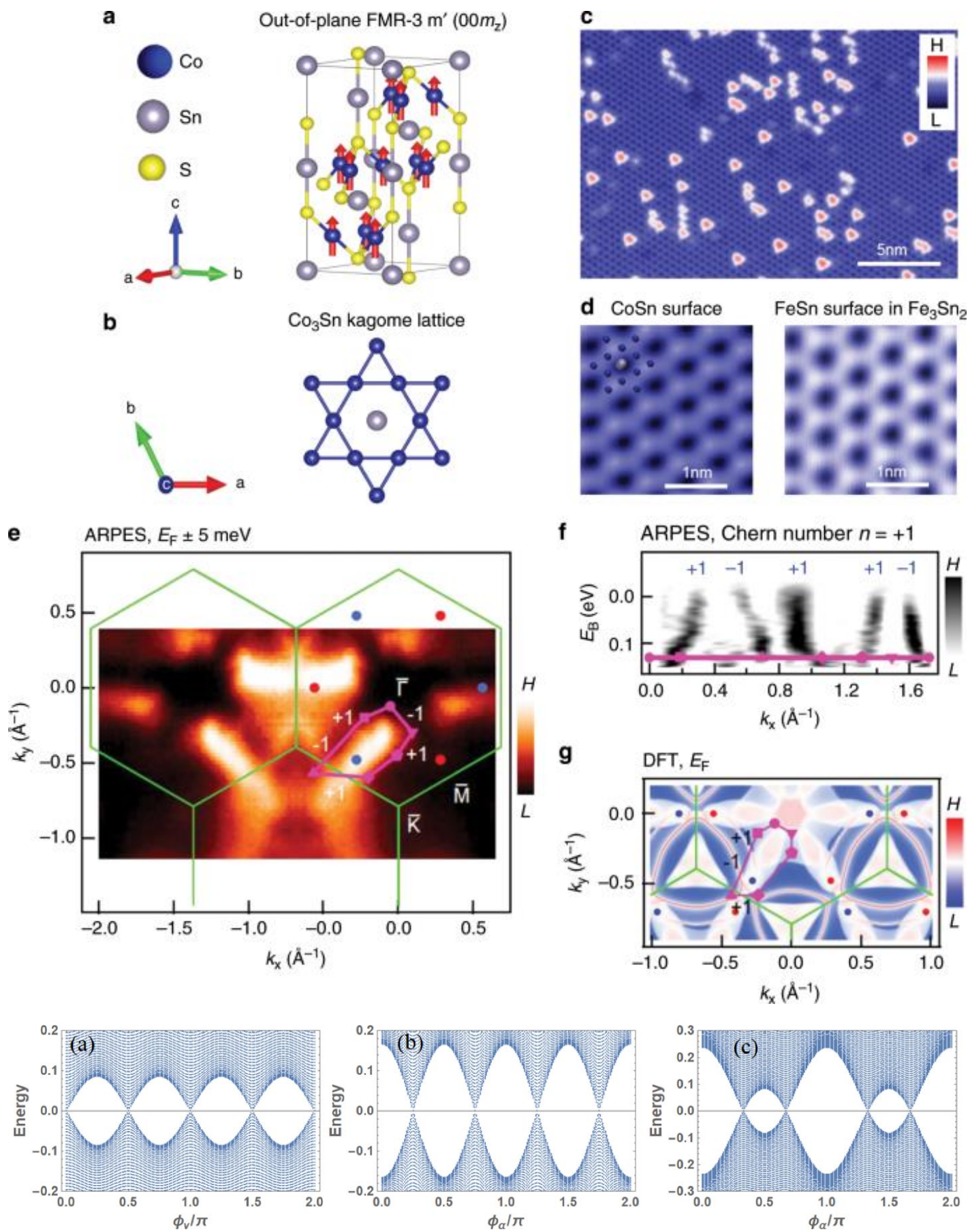
(a)

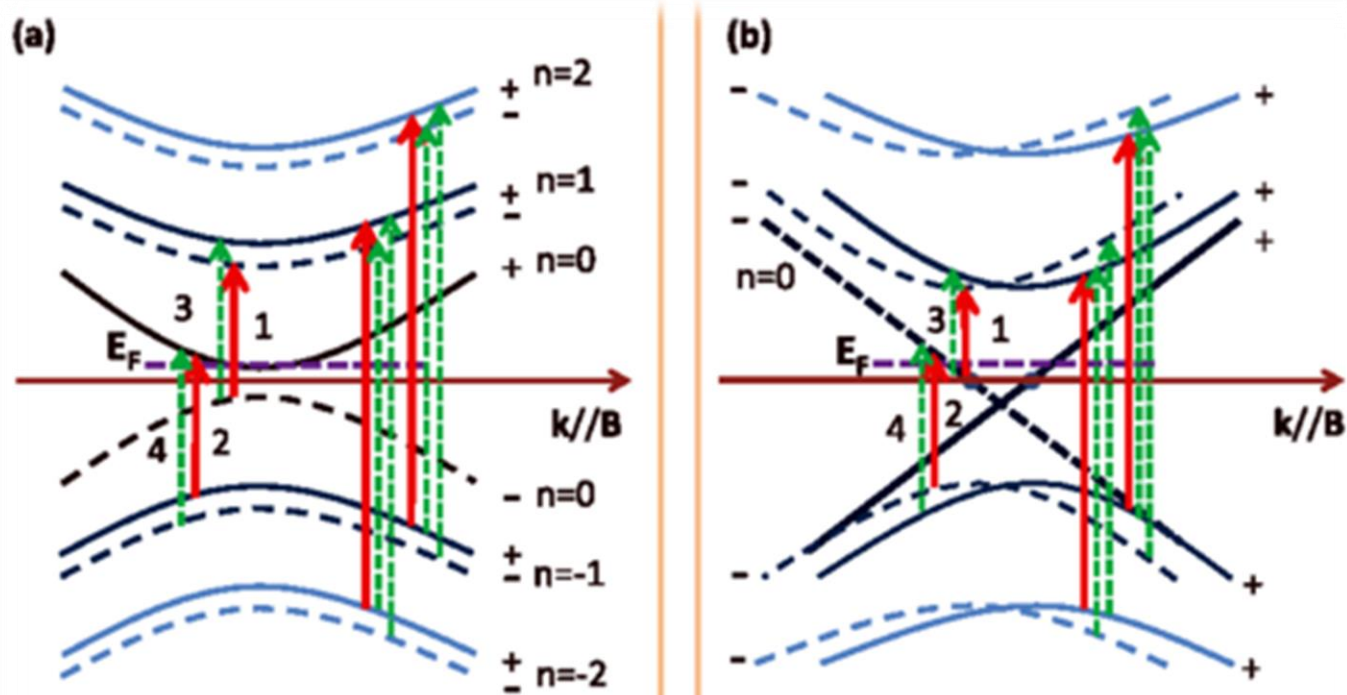
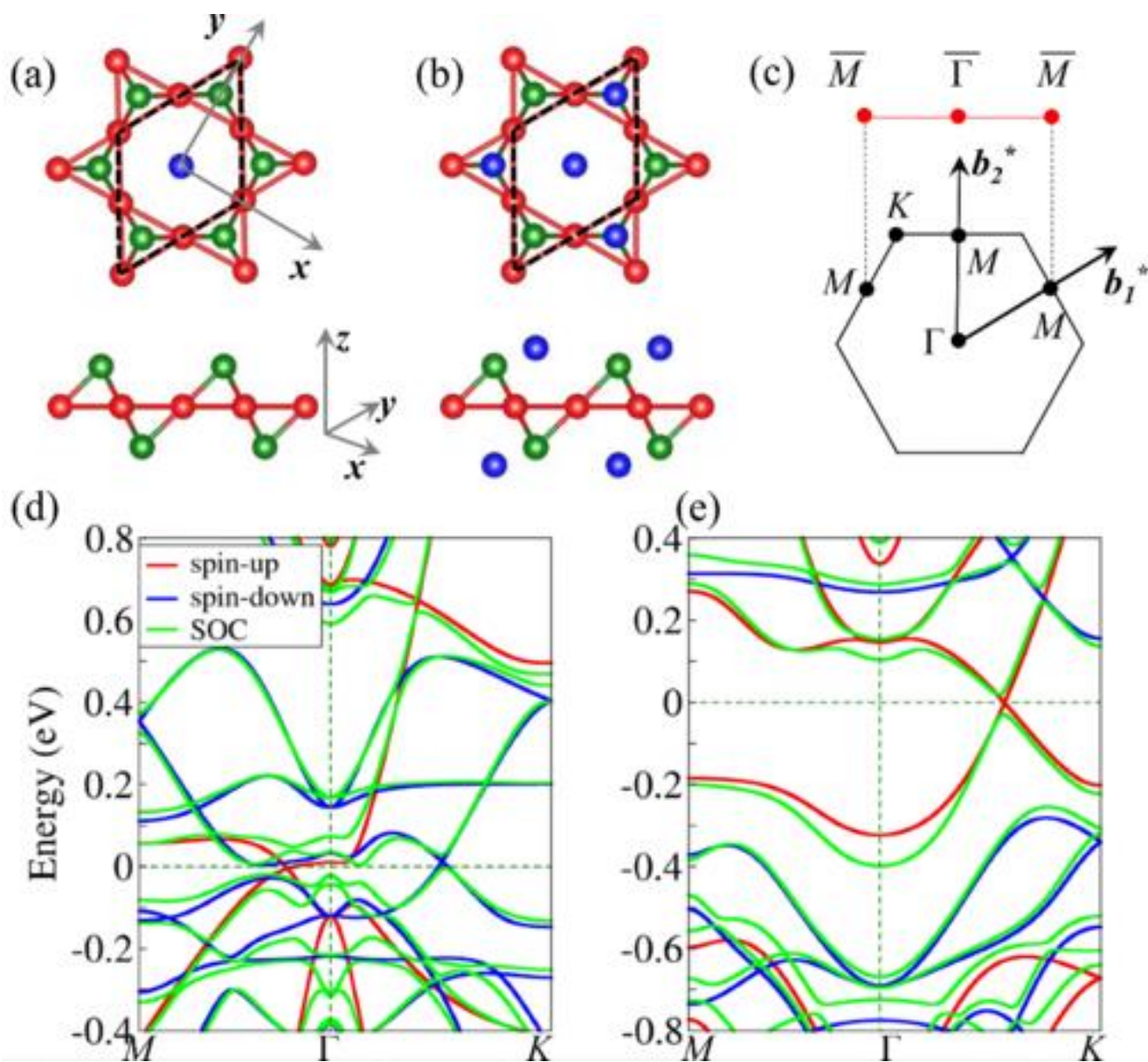


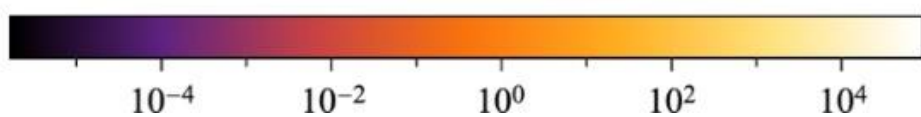
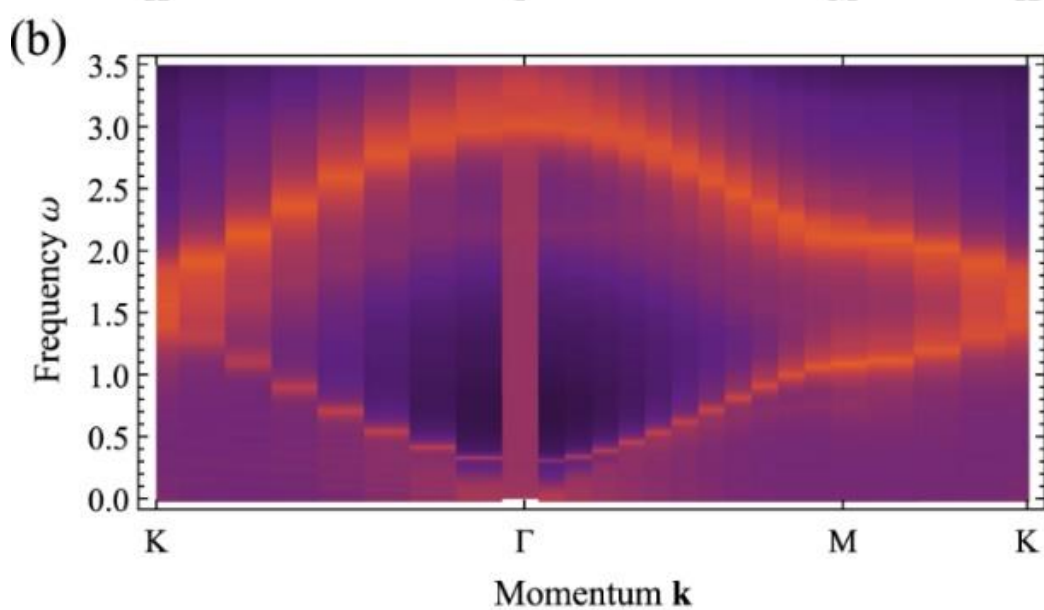
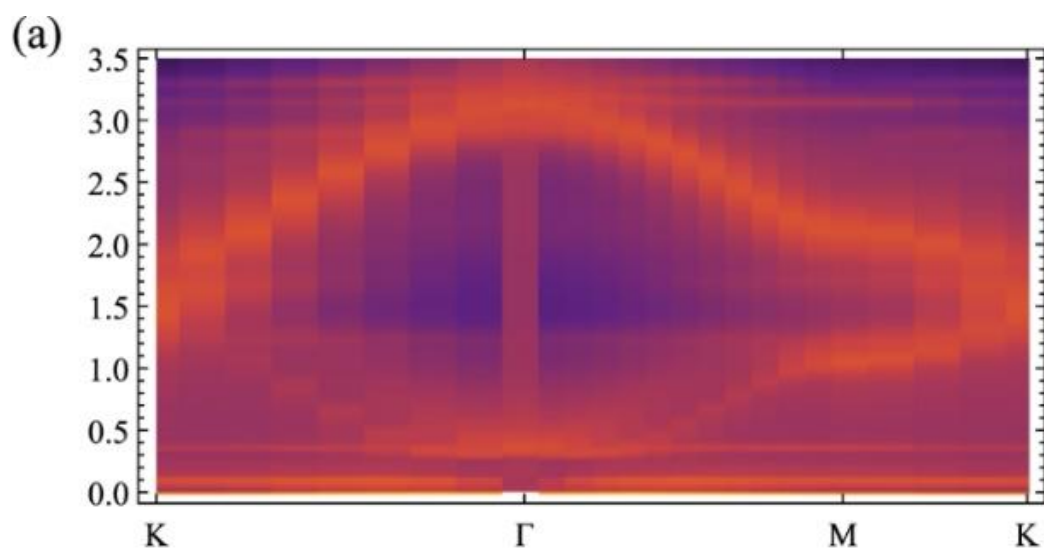
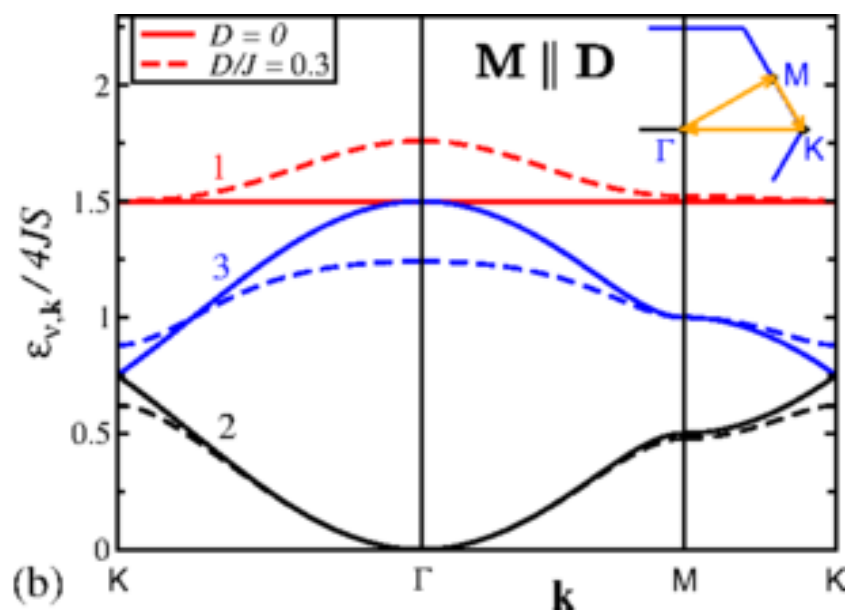
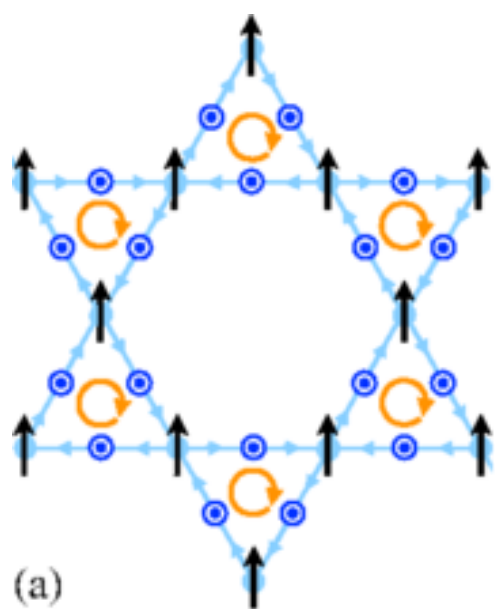
(b)

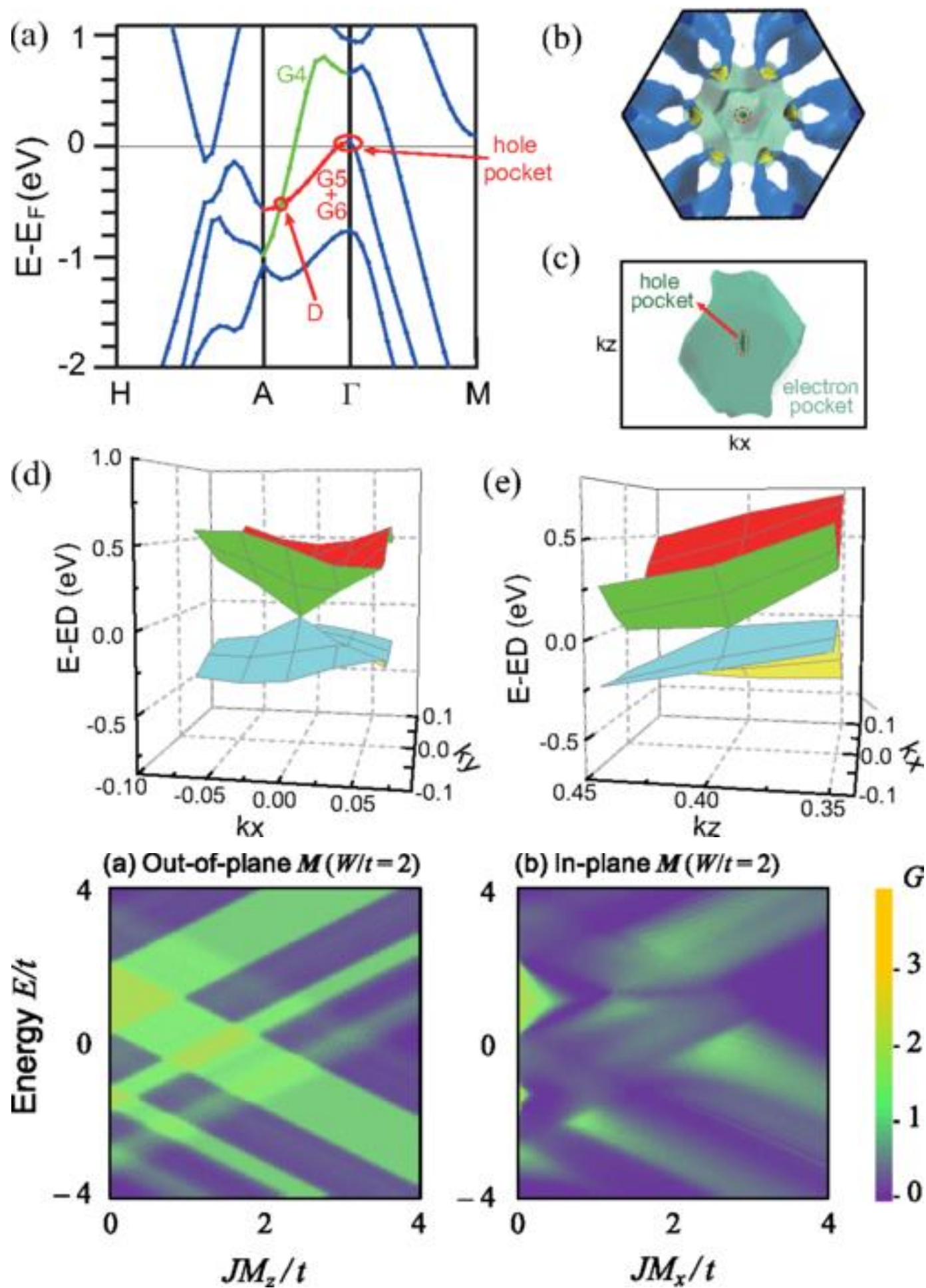


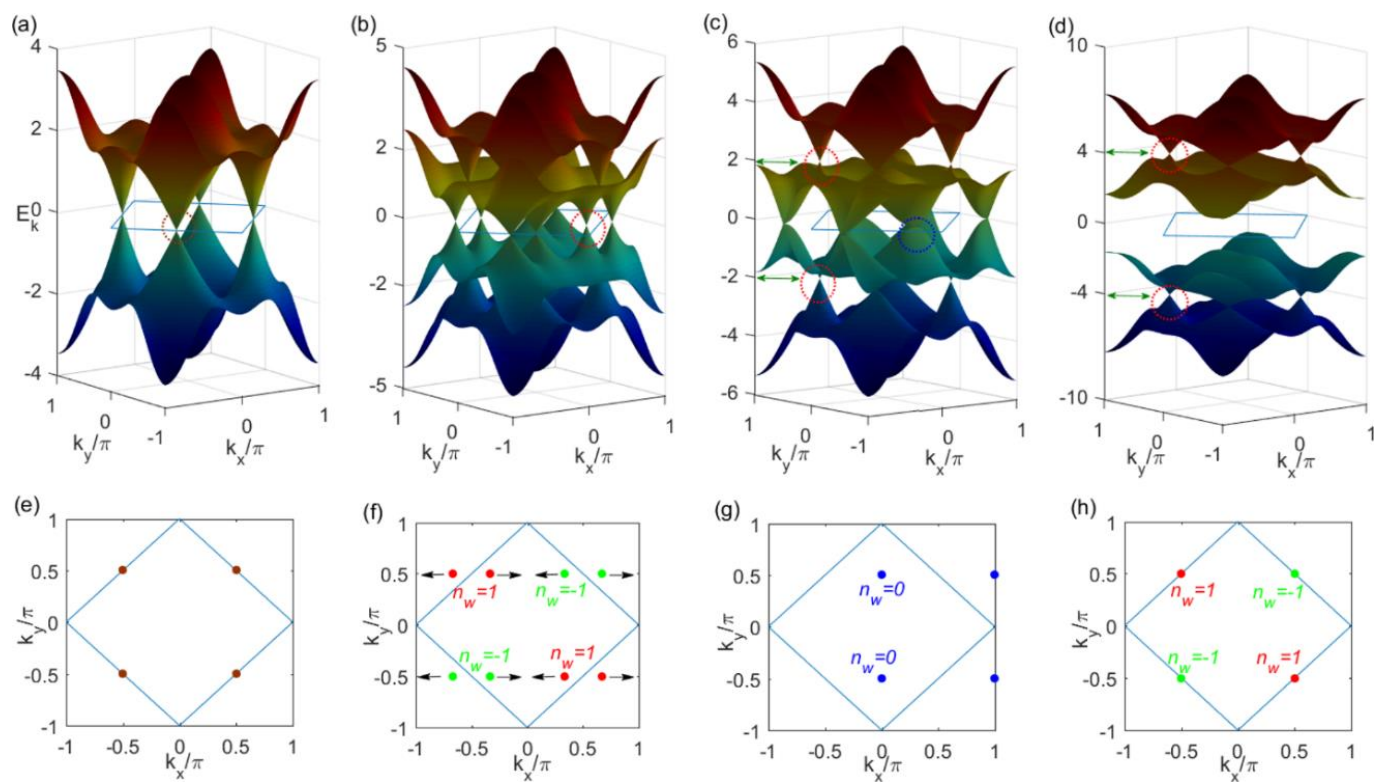
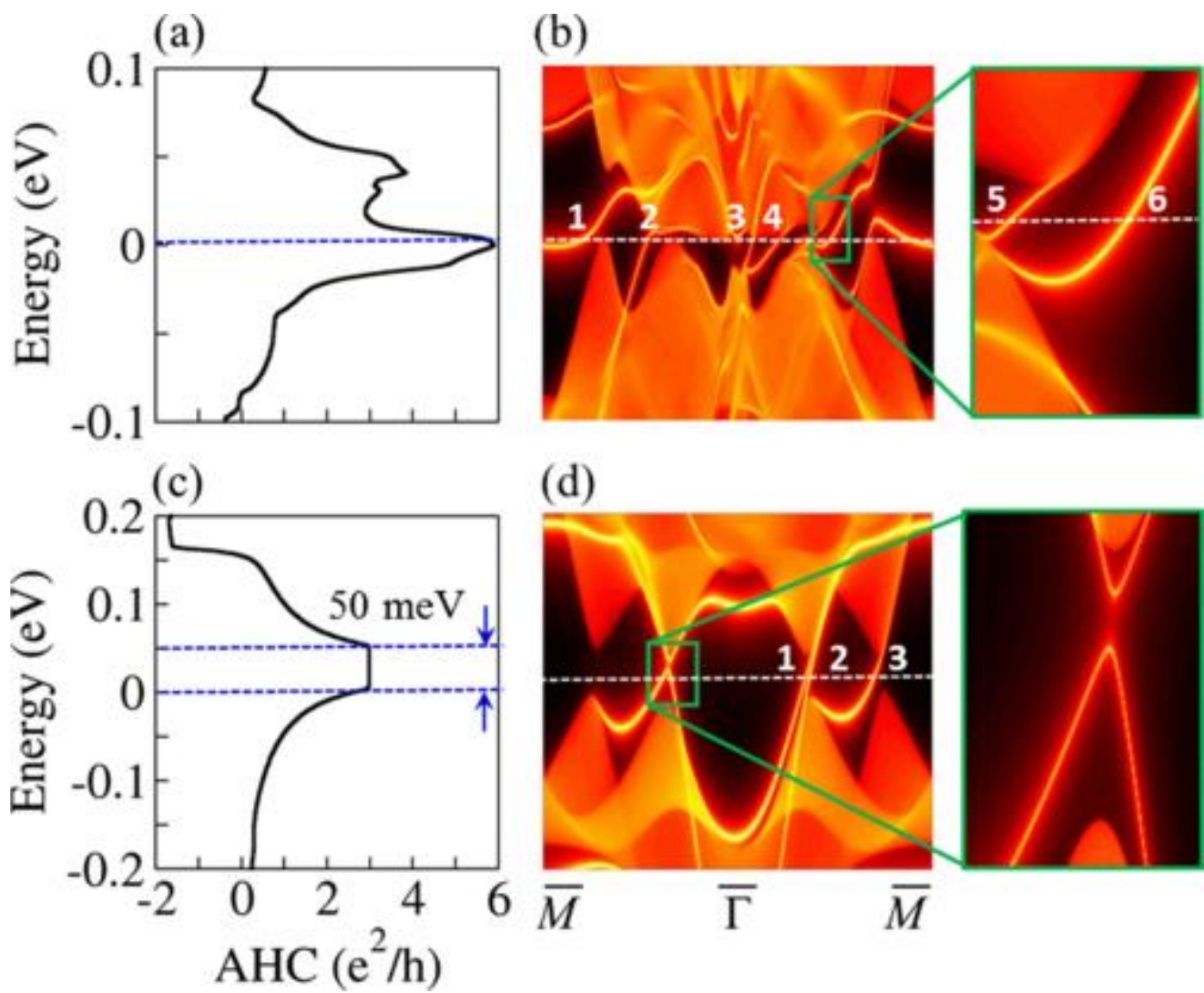
(c)

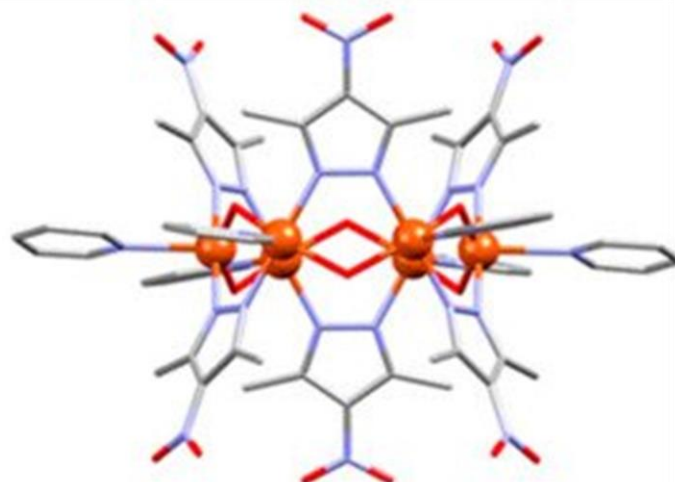
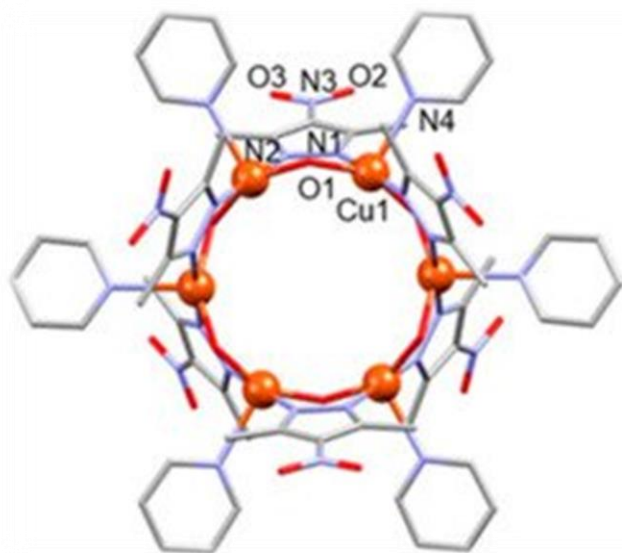
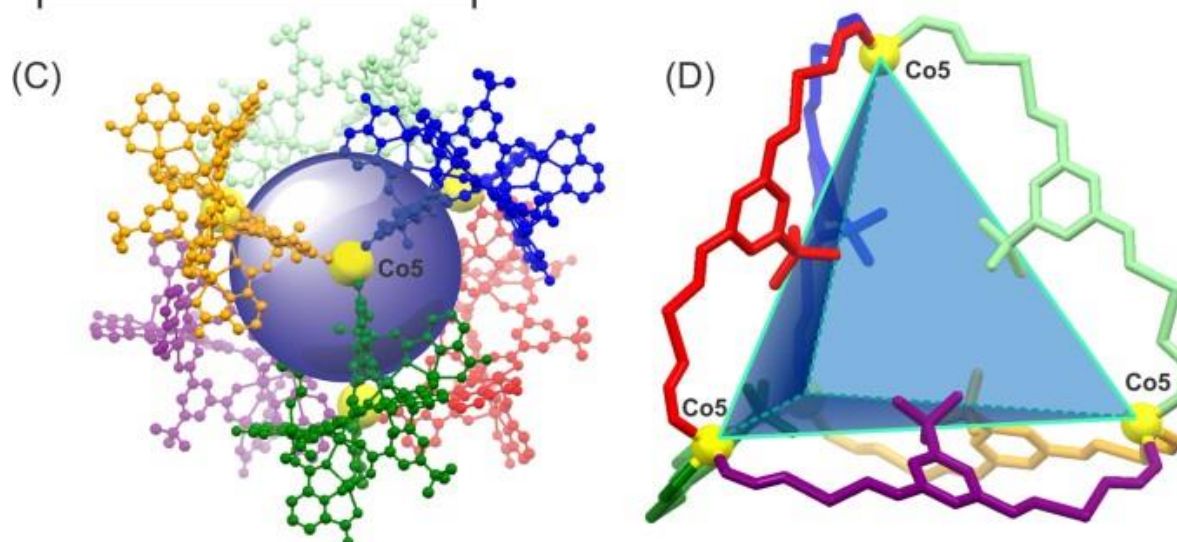
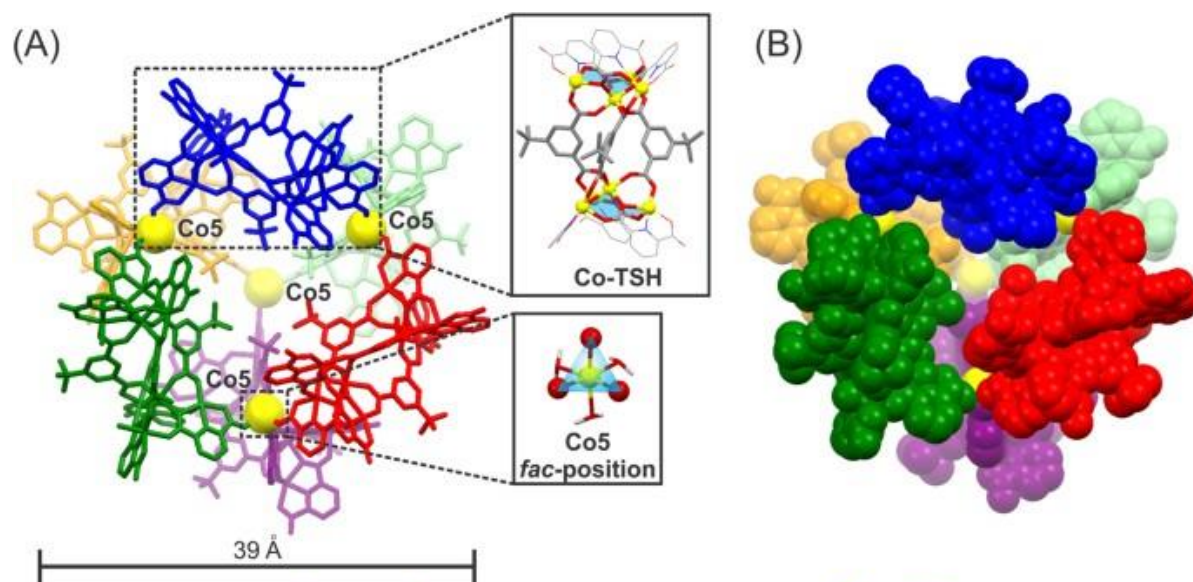


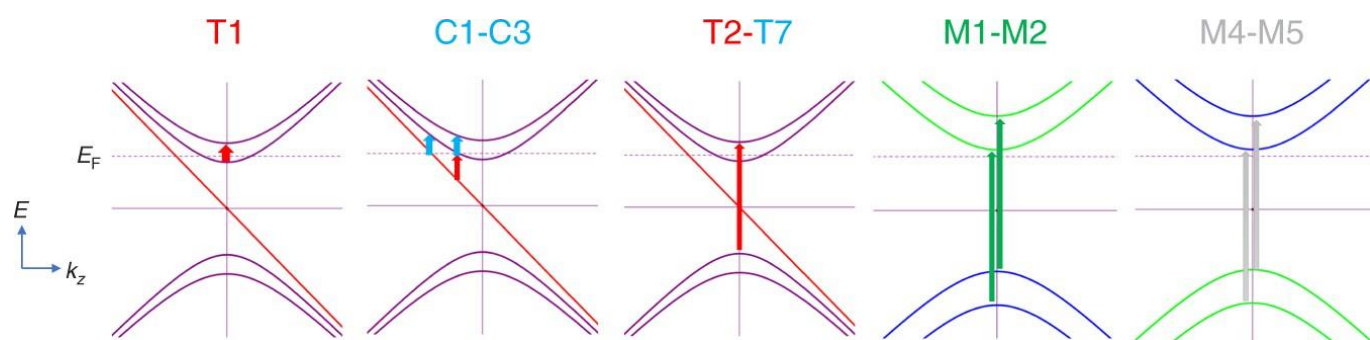
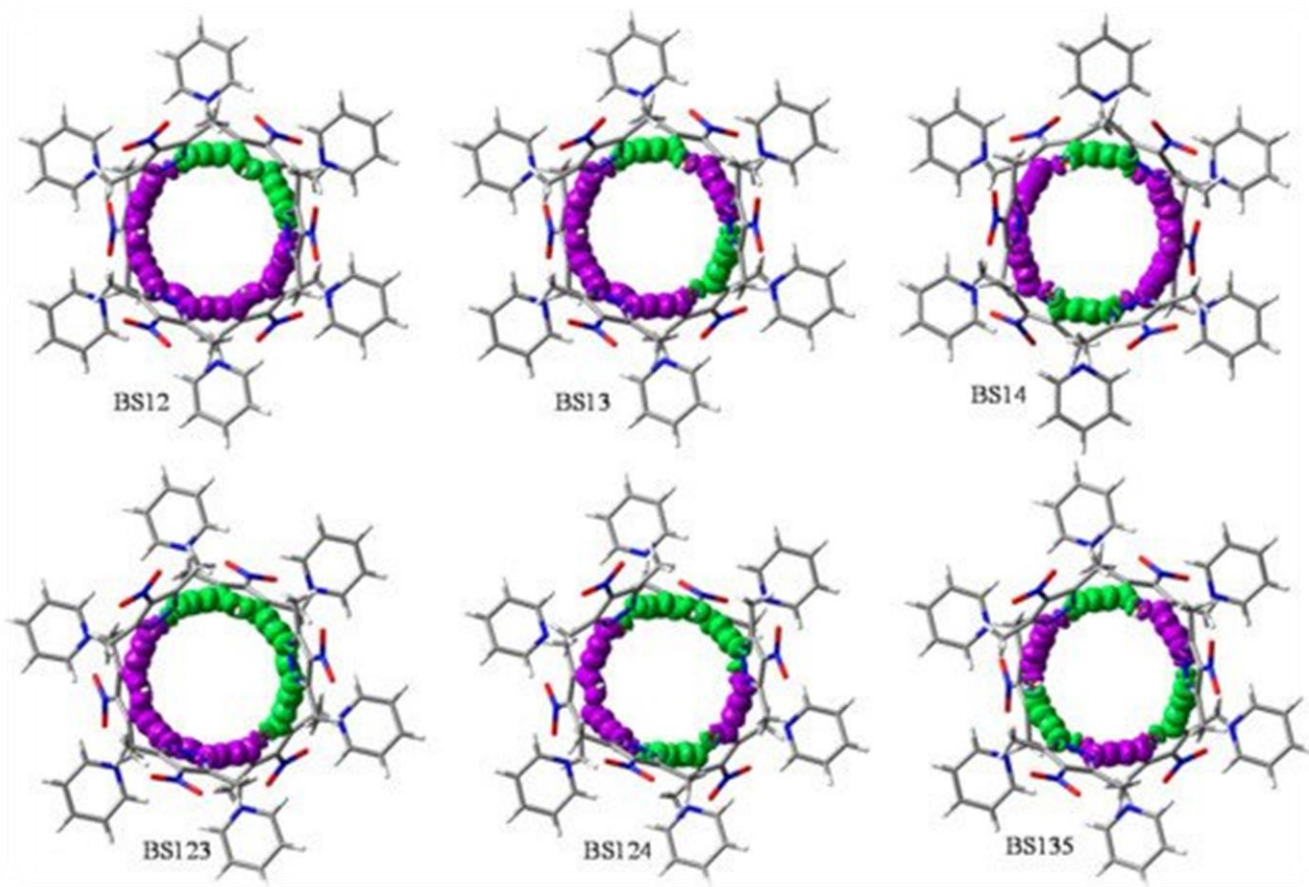


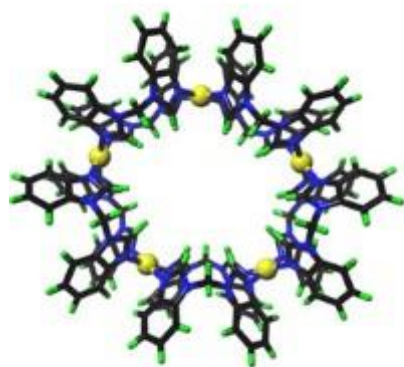
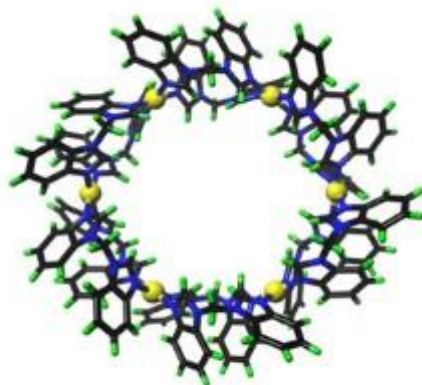
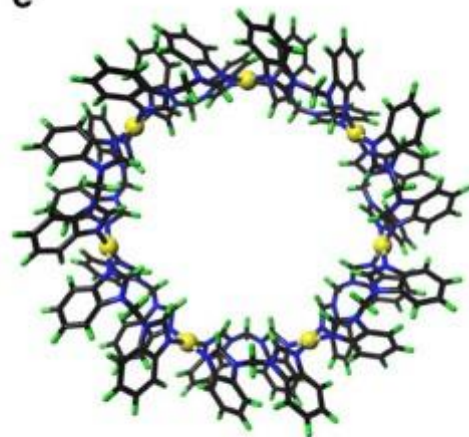
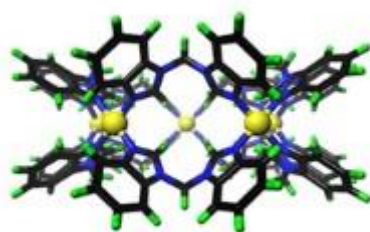
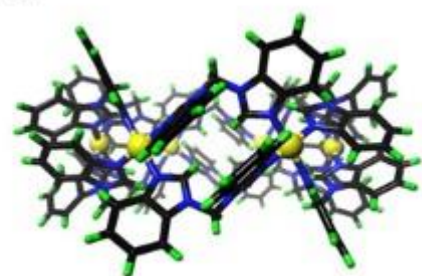
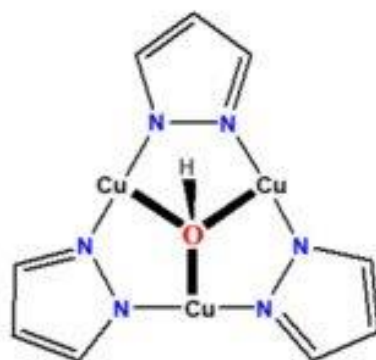
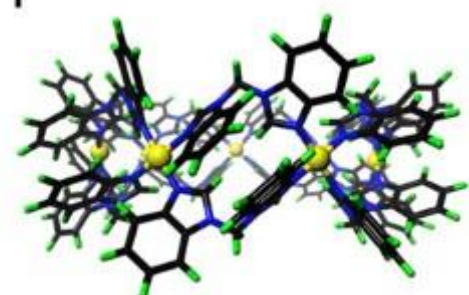
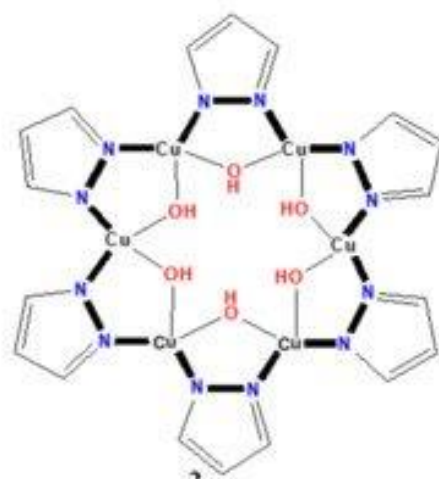
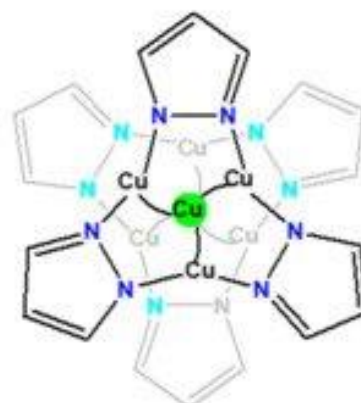


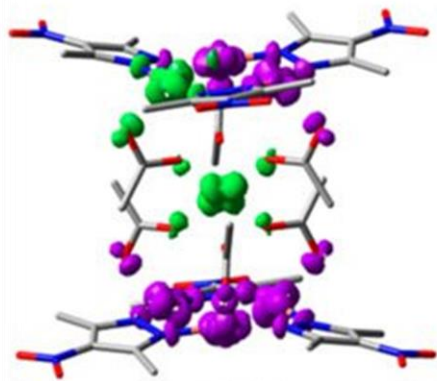




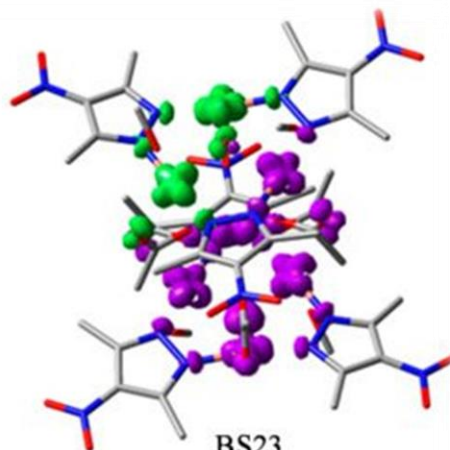




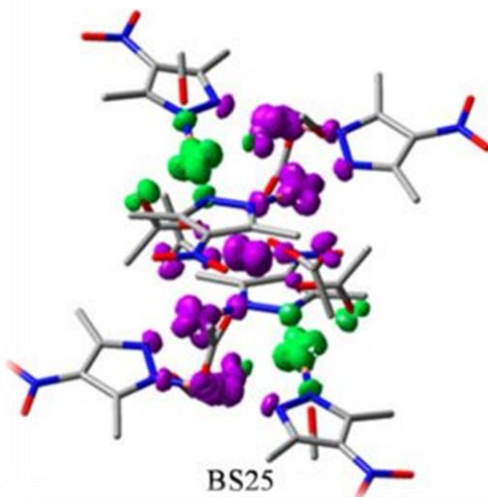
a**c****e****b****d****f****1****2****3**



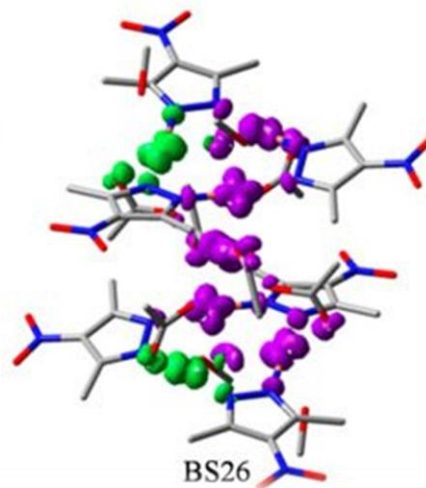
BS12



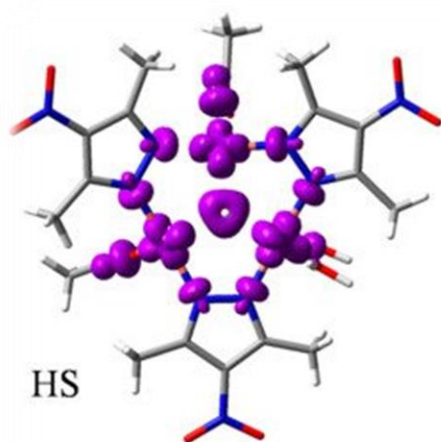
BS23



BS25



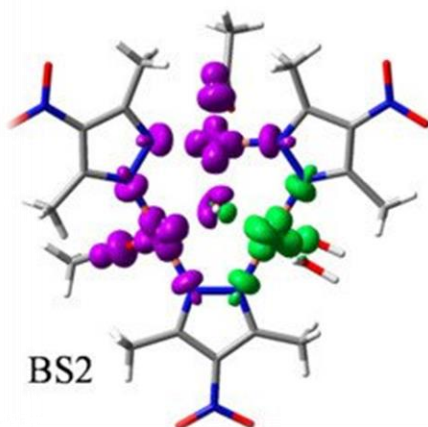
BS26



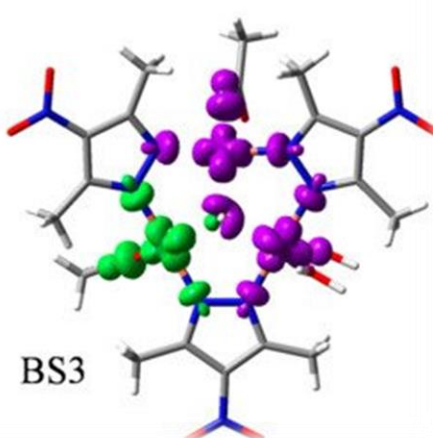
HS



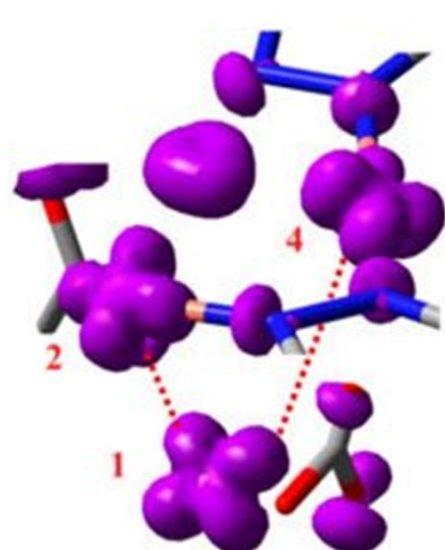
BS1



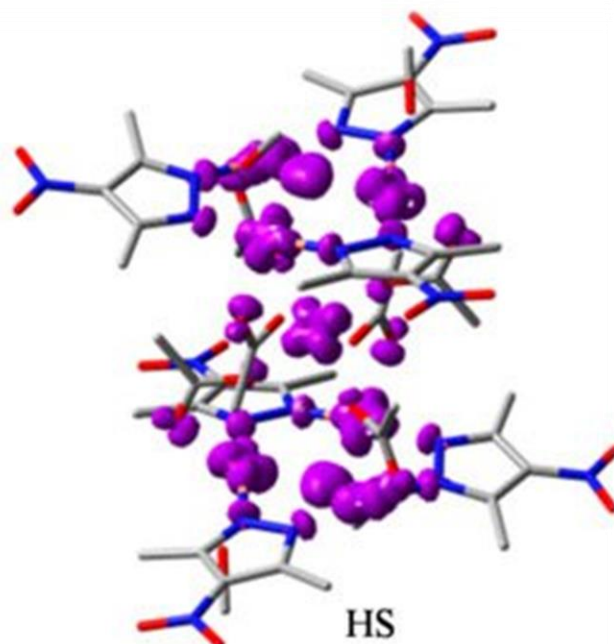
BS2



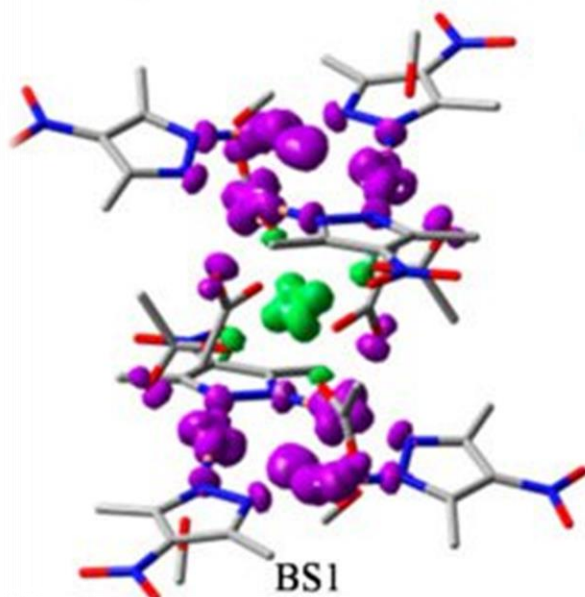
BS3



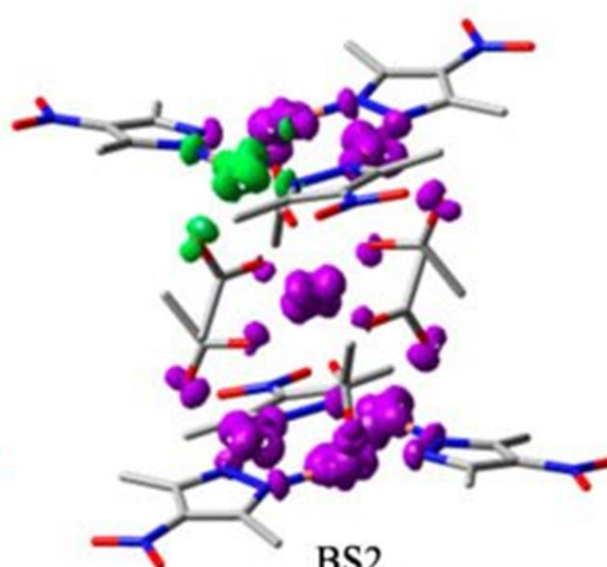
Spin density on selected magnetic orbitals (close-up)



HS

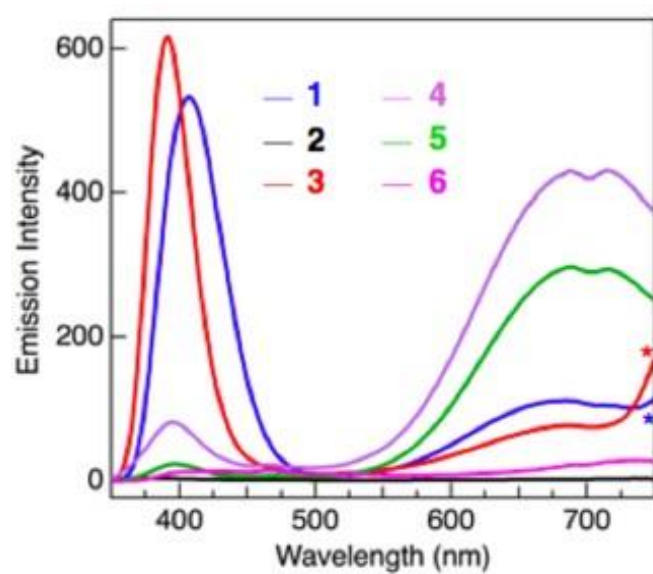


BS1

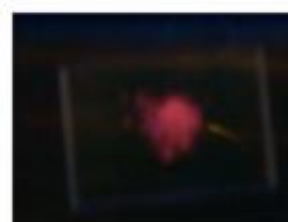


BS2

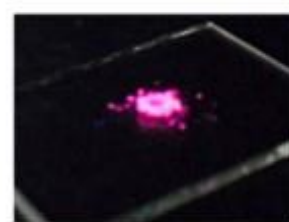
(a)



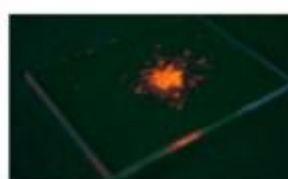
(b)



Complex 1



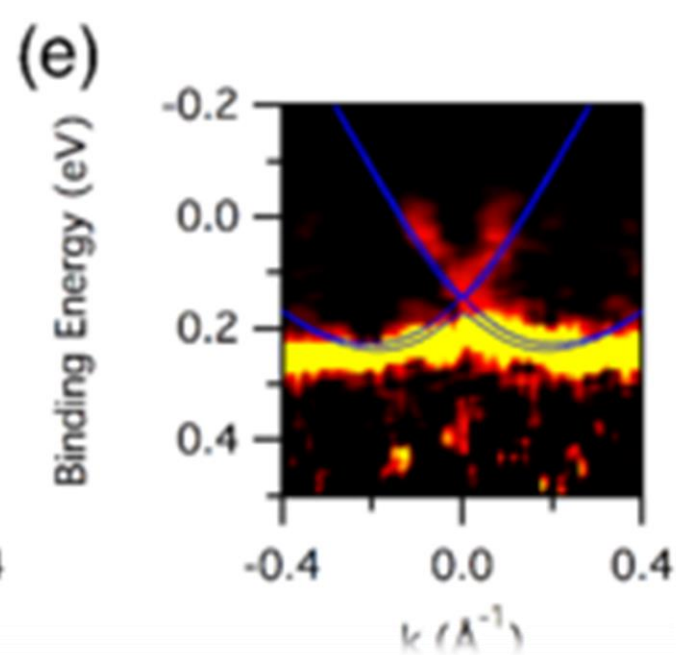
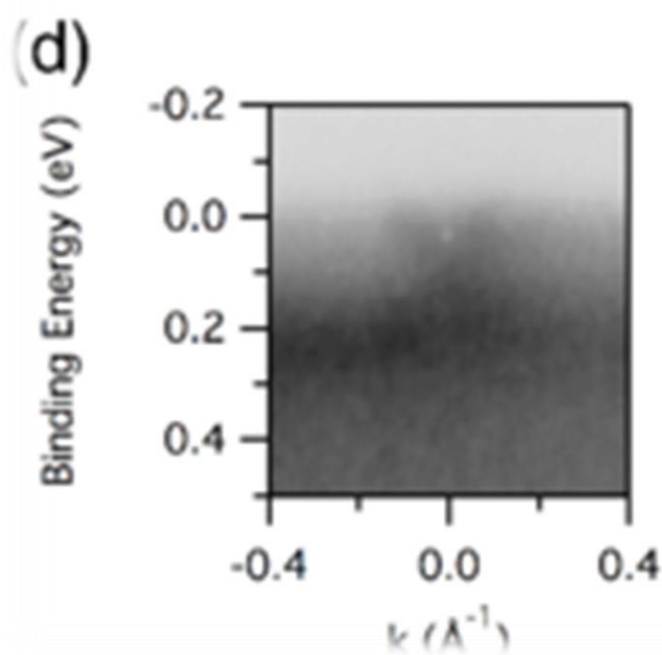
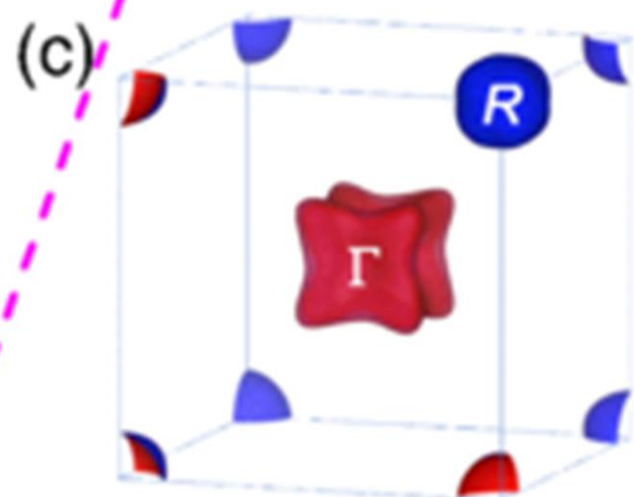
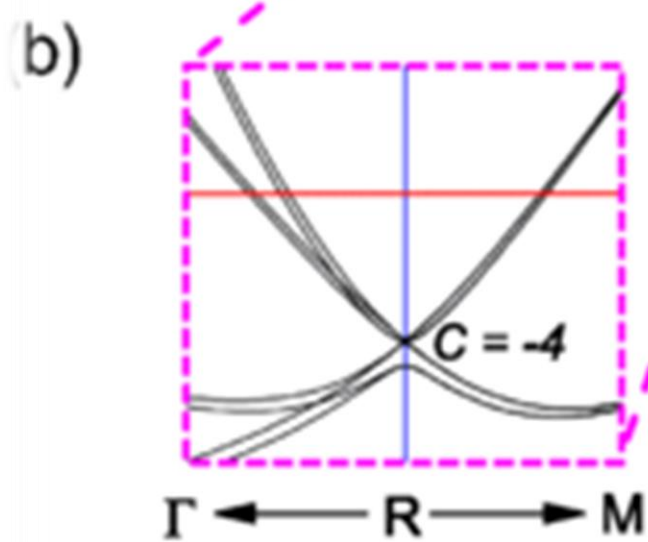
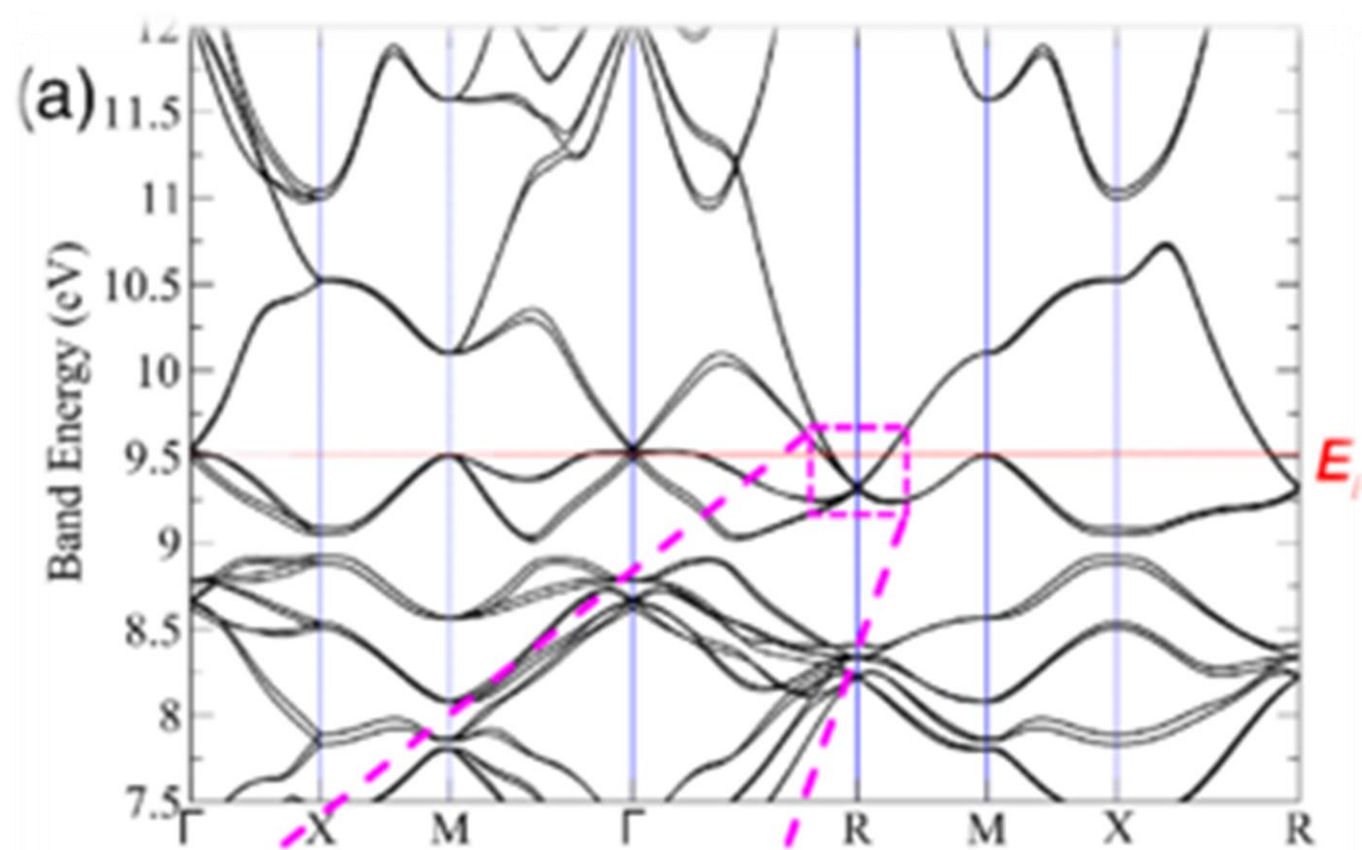
Complex 3

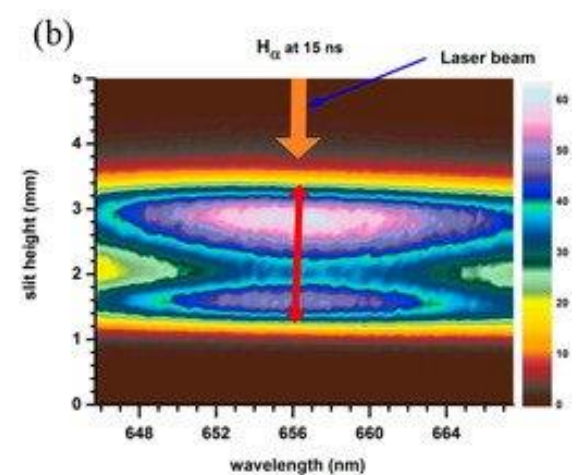
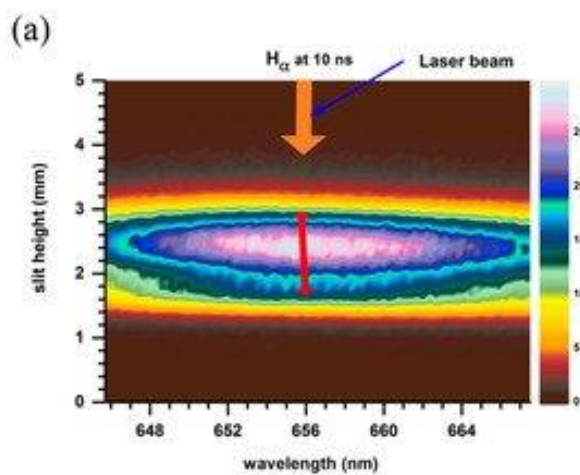
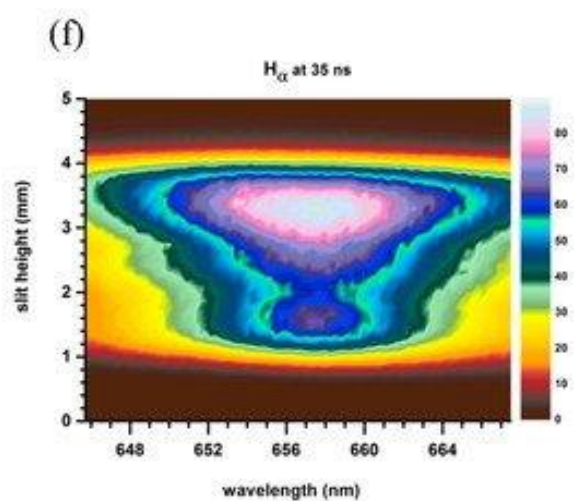
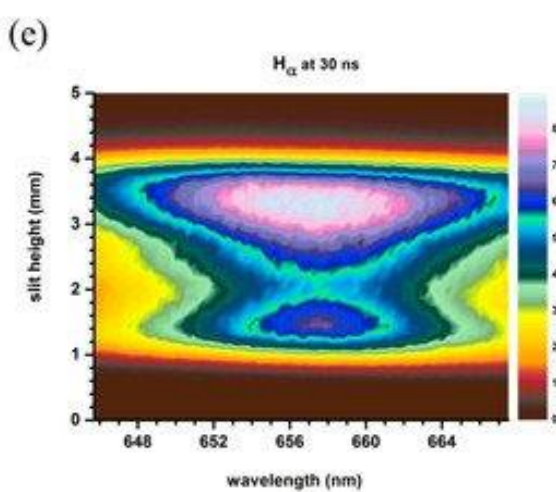
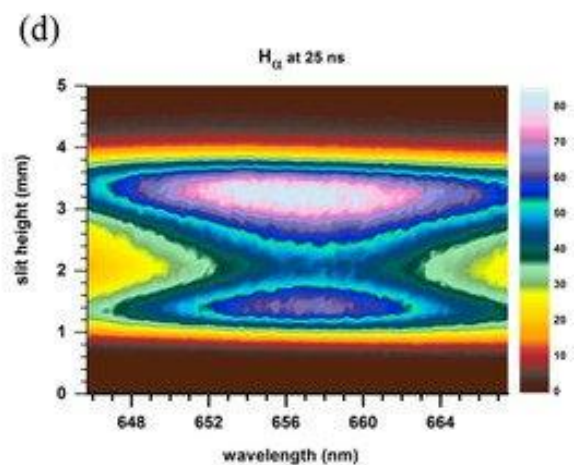
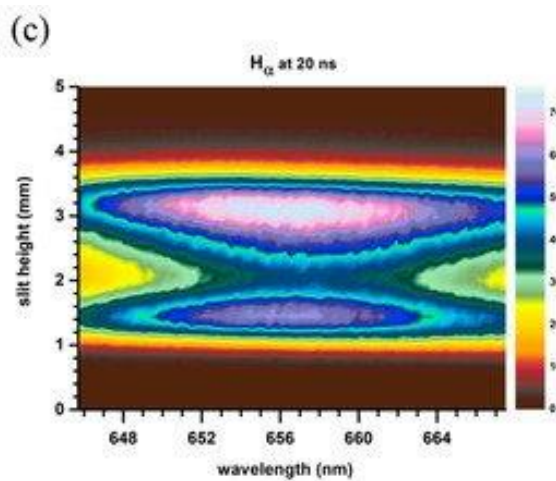
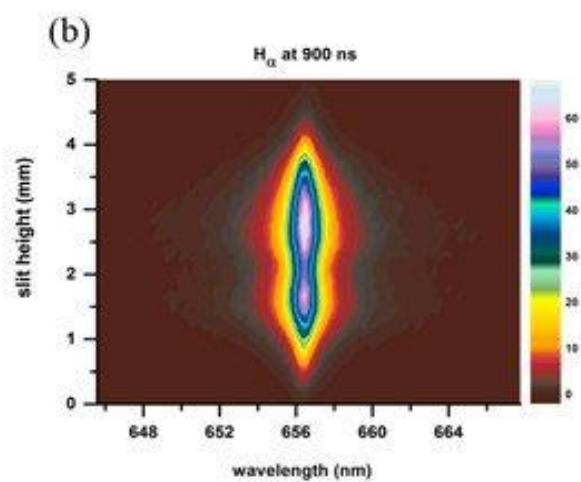
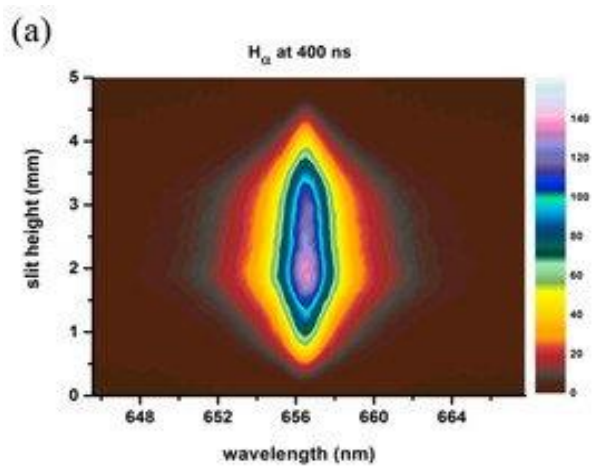


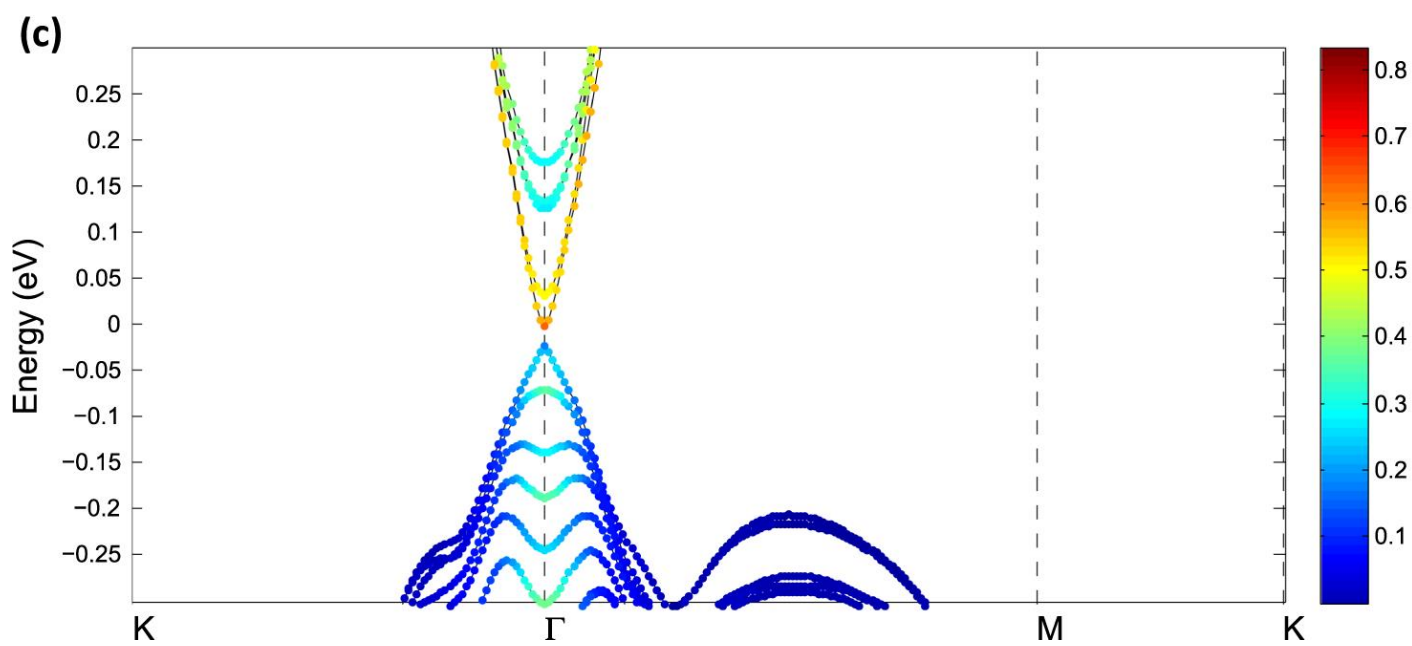
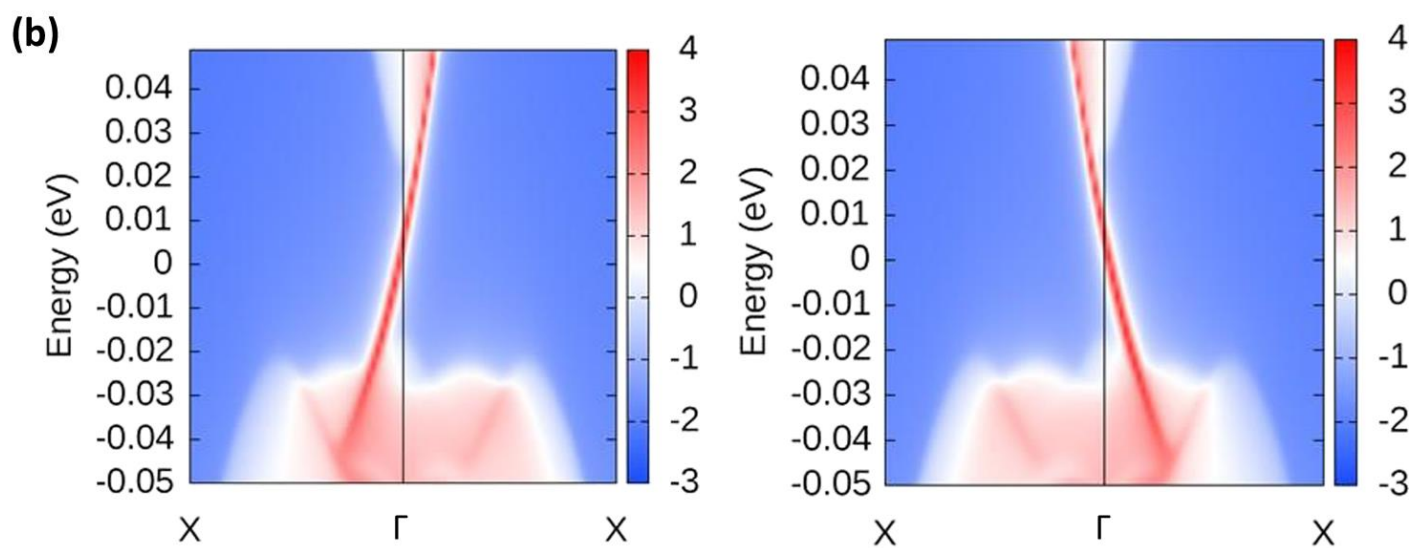
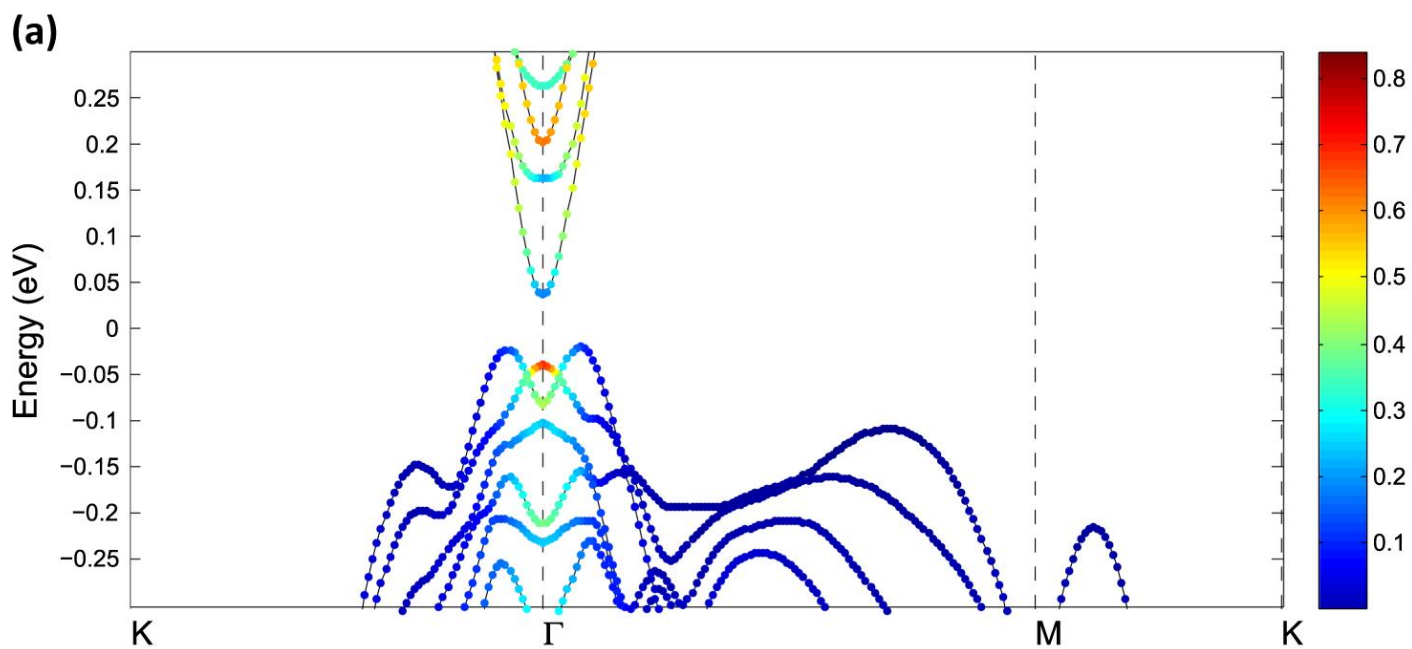
Complex 4

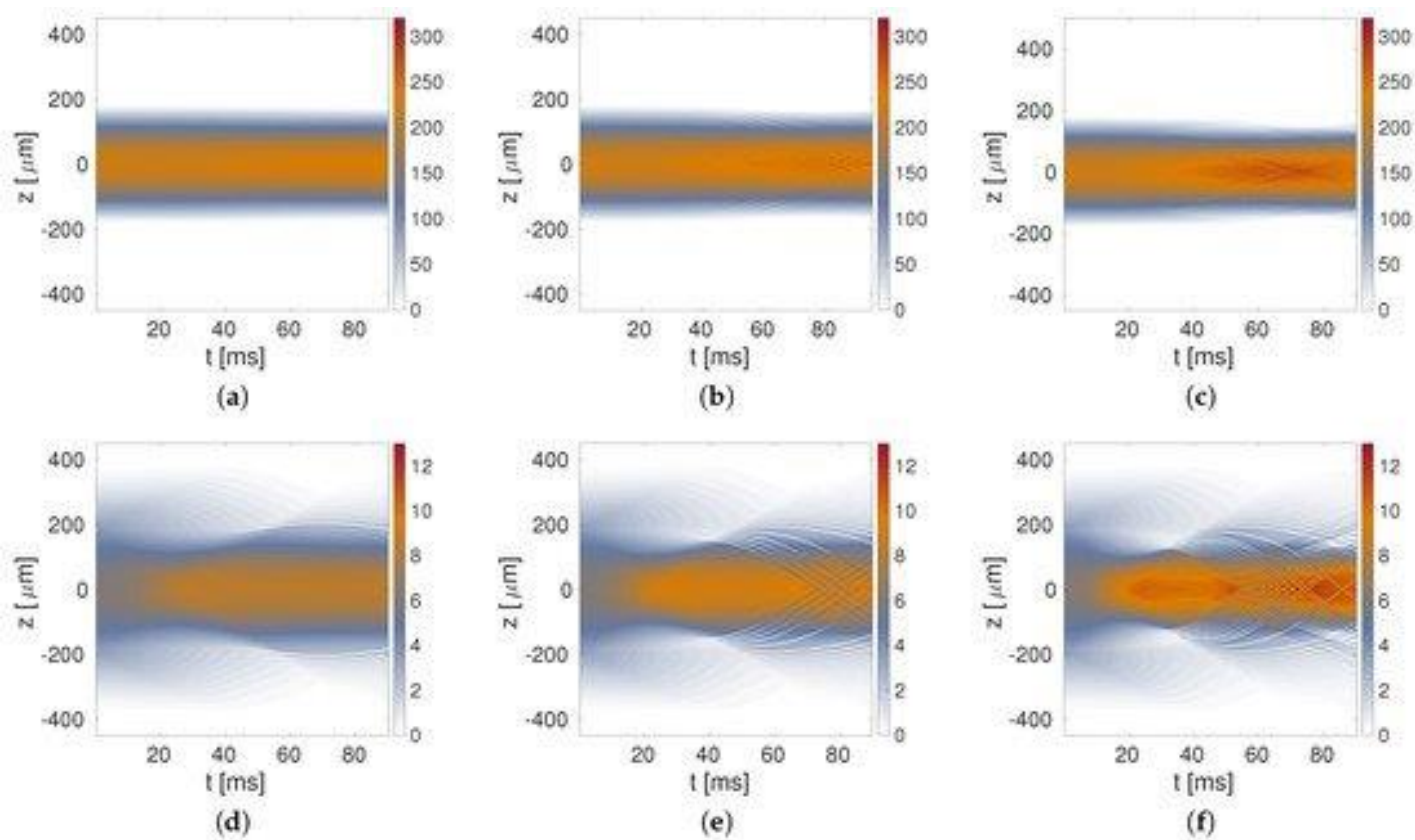
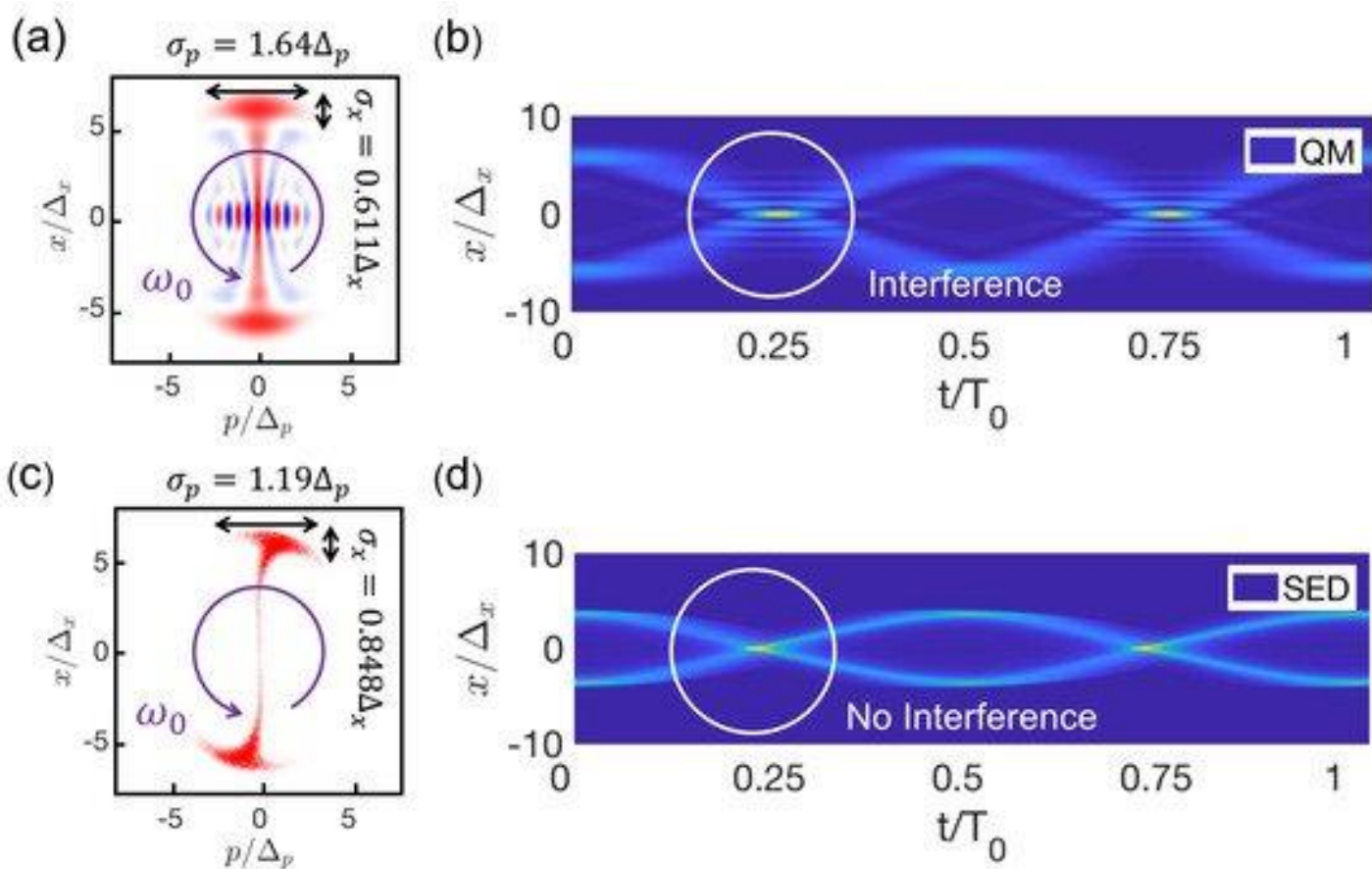


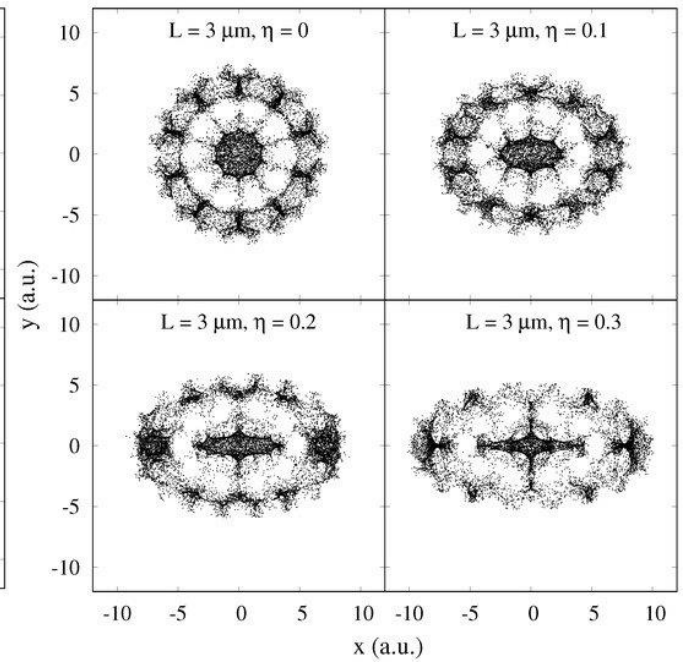
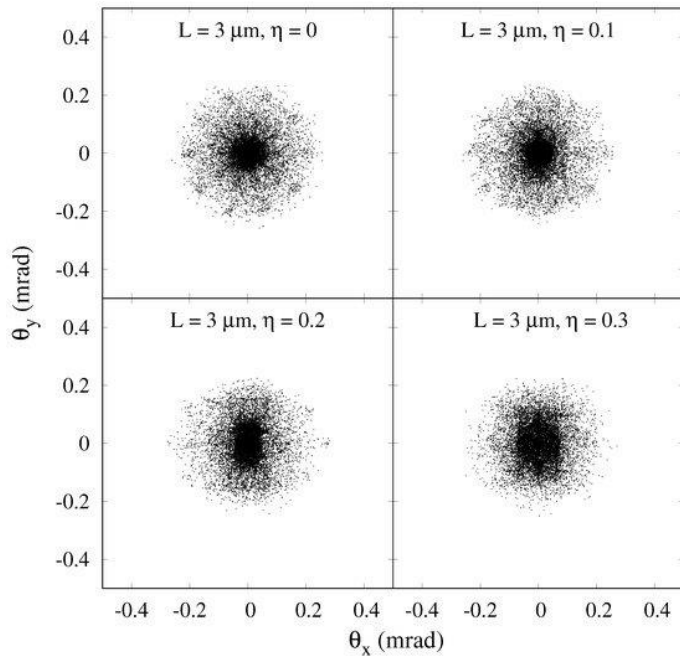
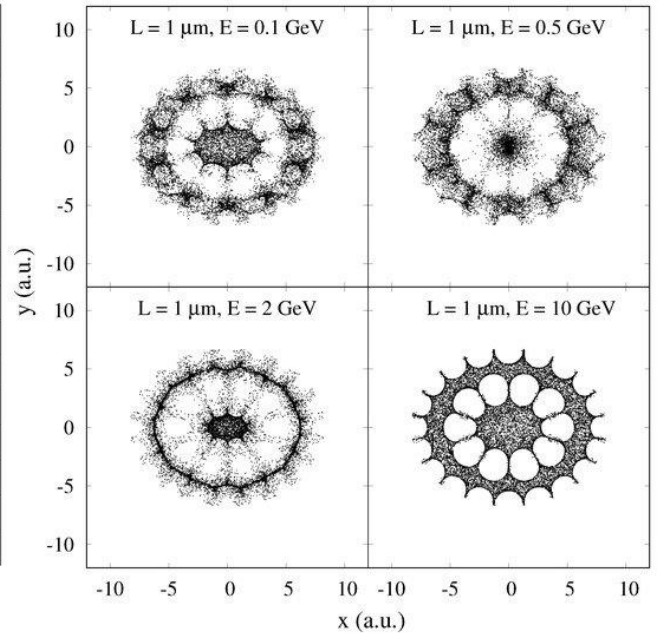
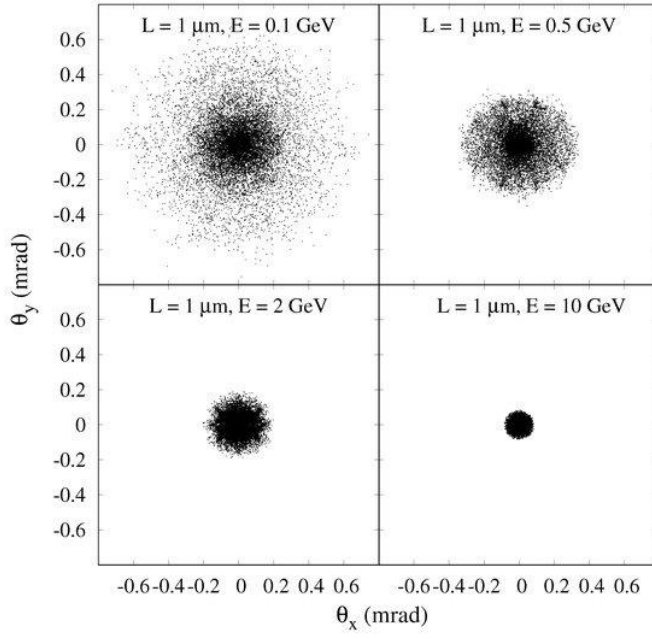
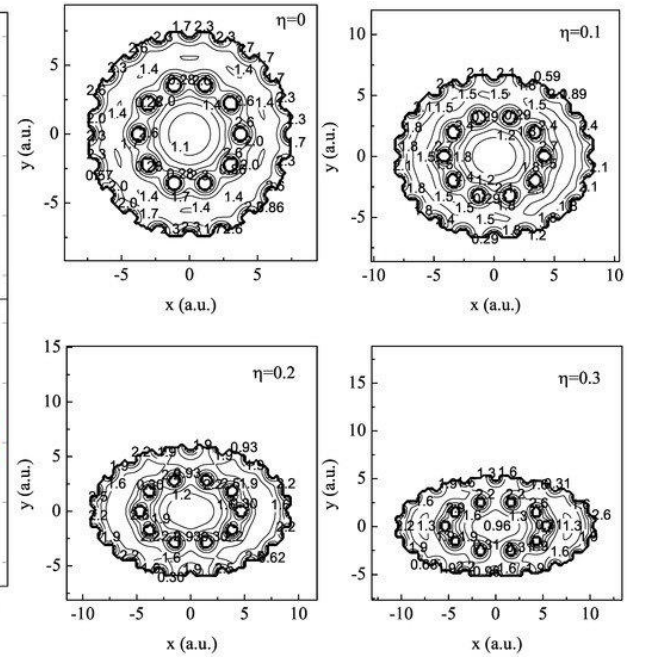
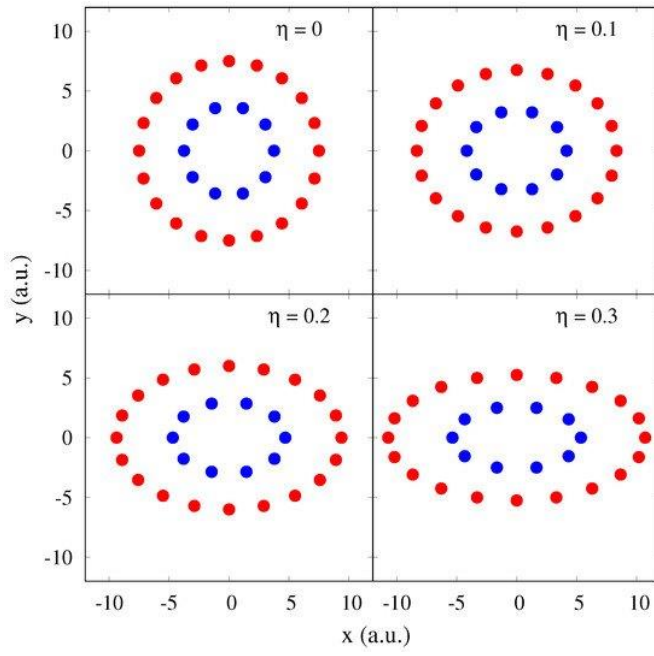
Complex 5

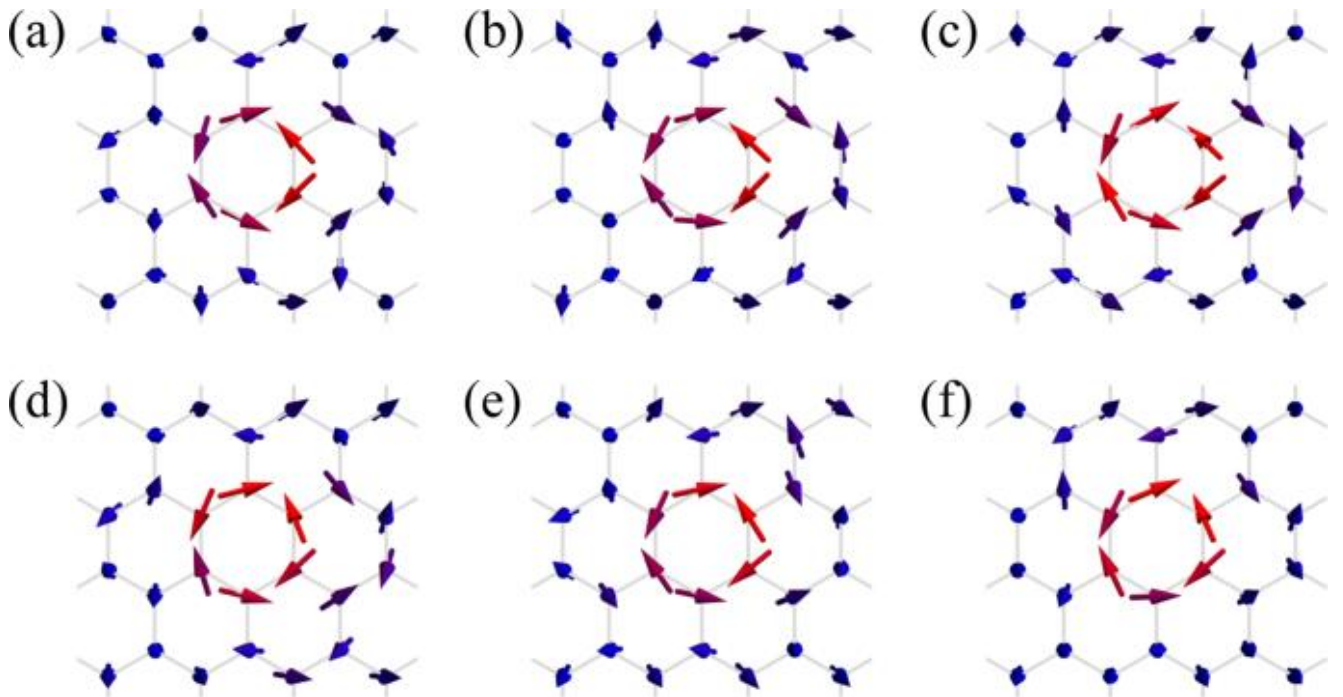
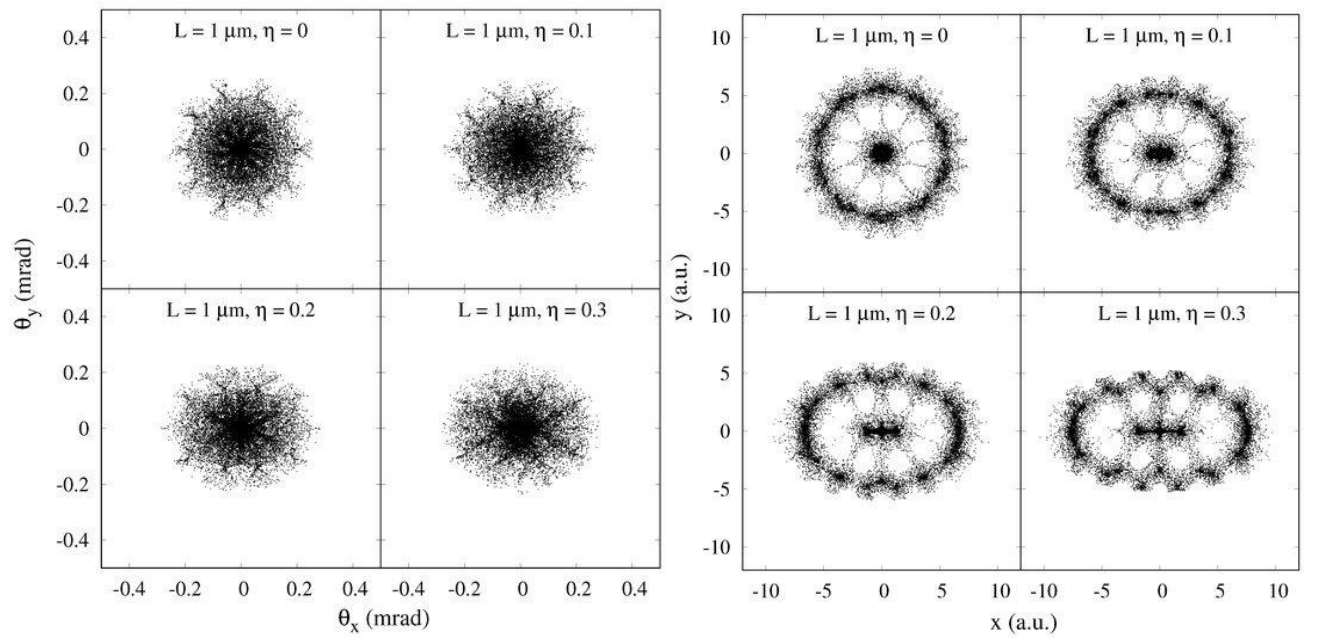
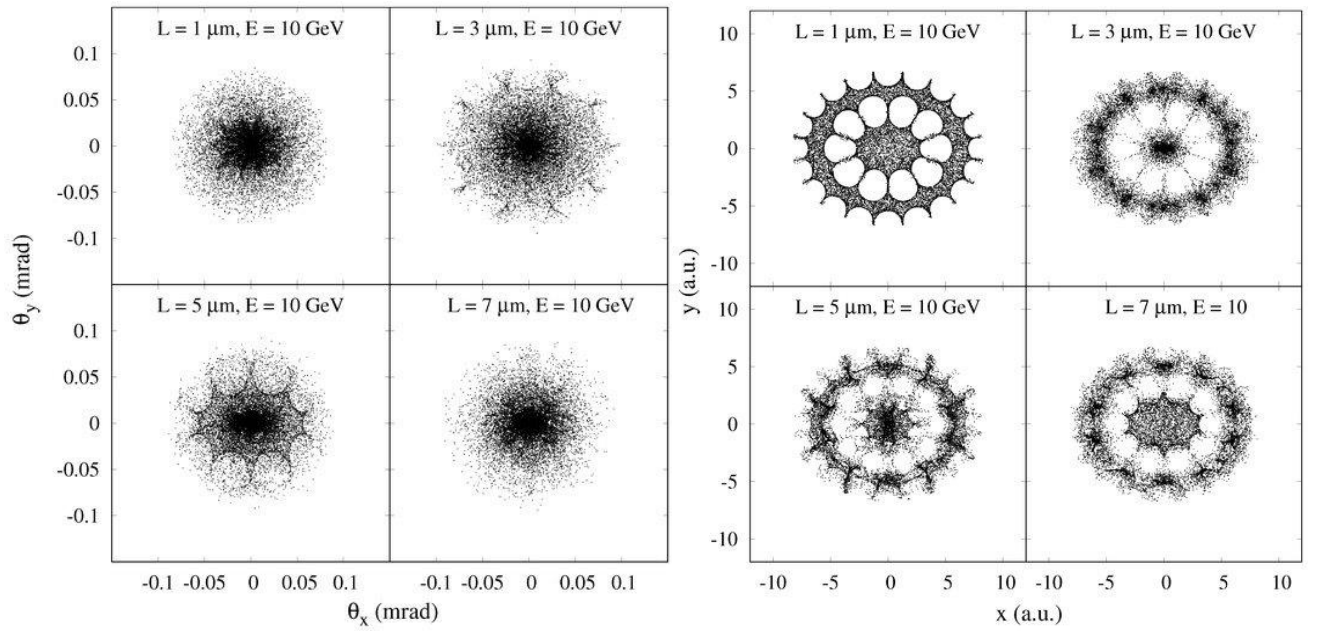


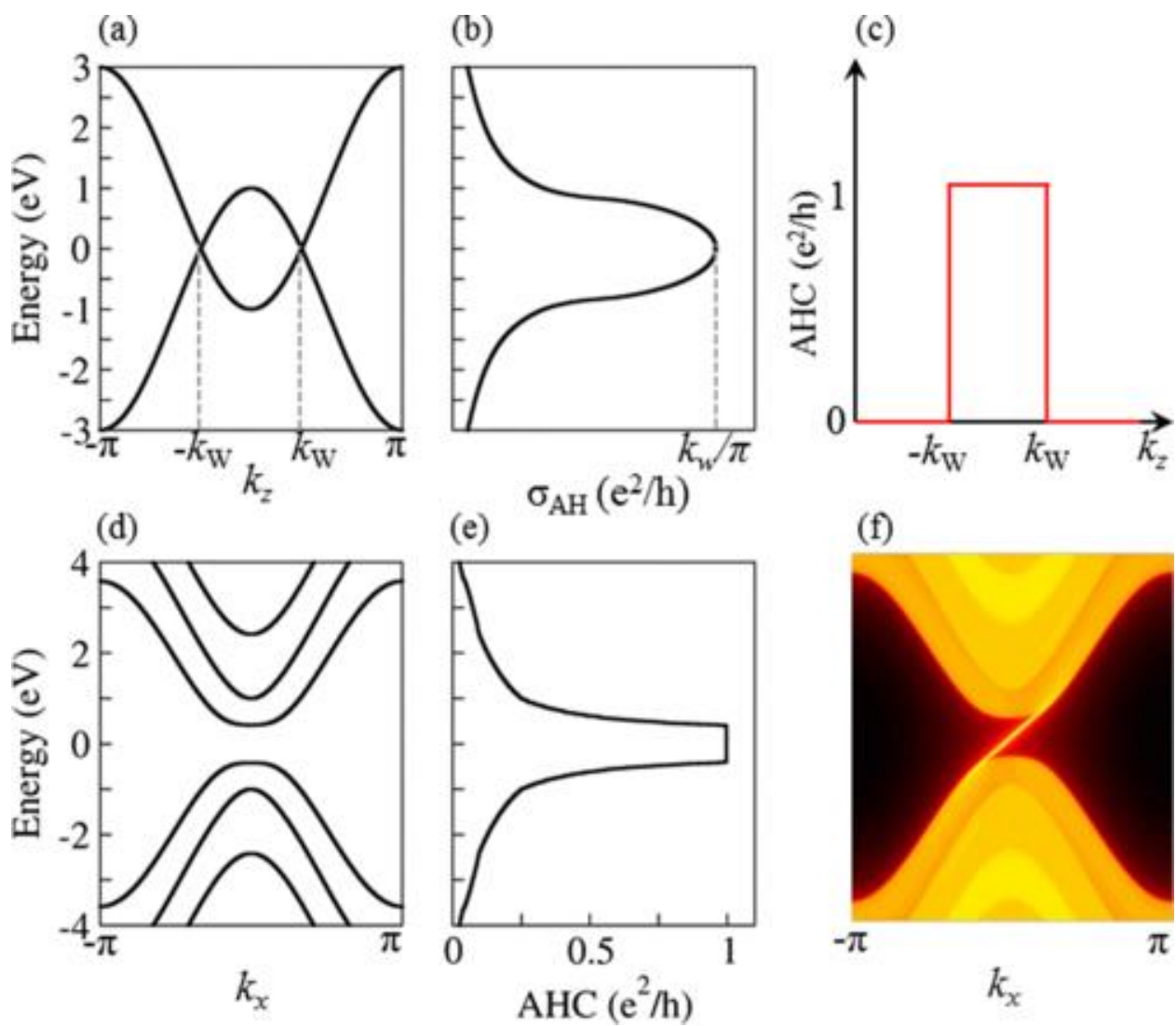
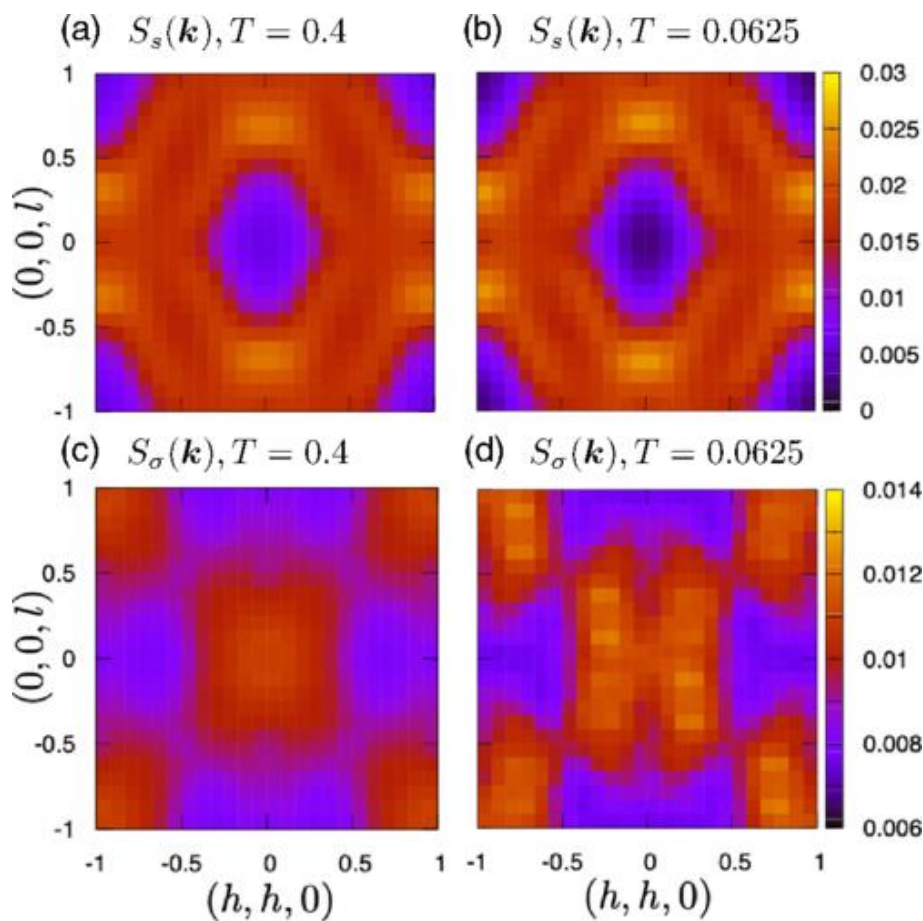




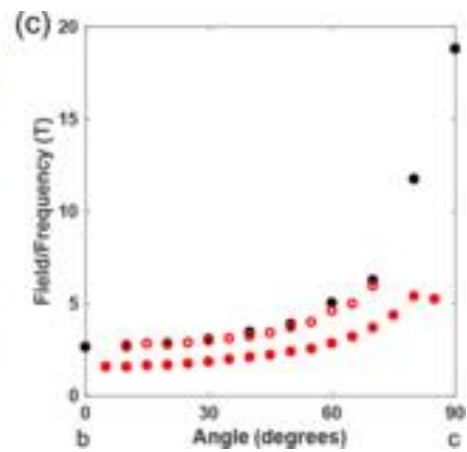
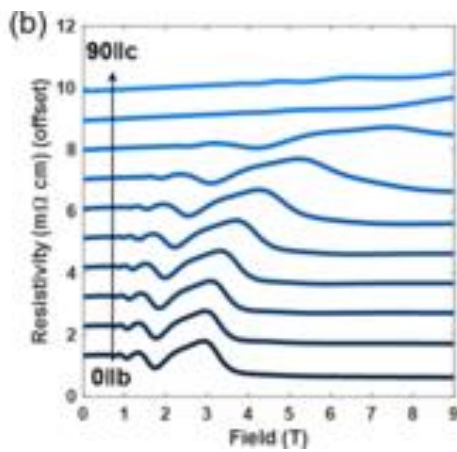
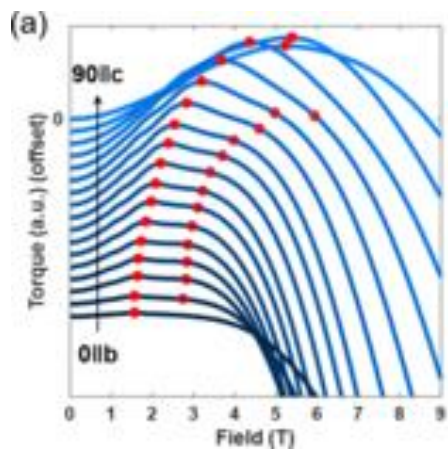
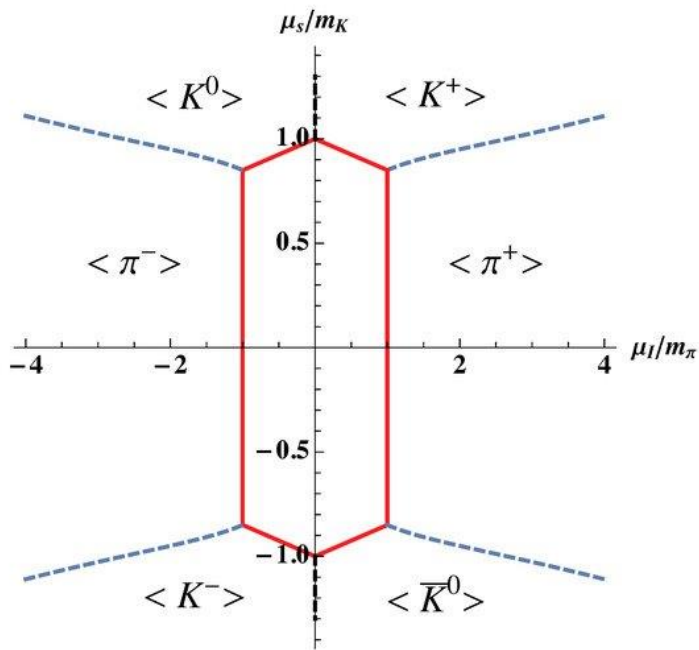
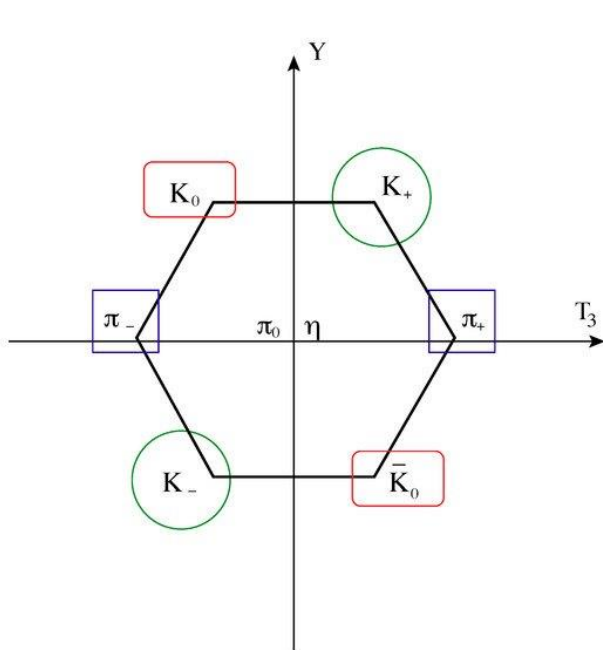
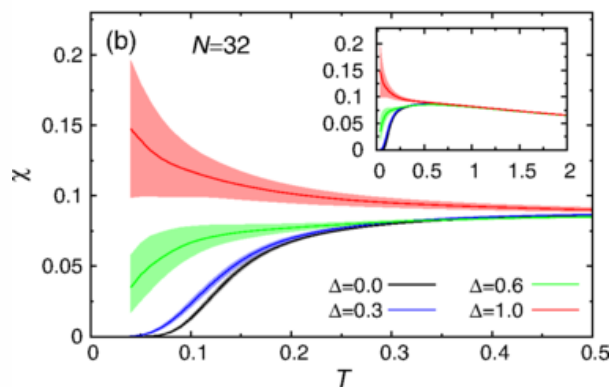
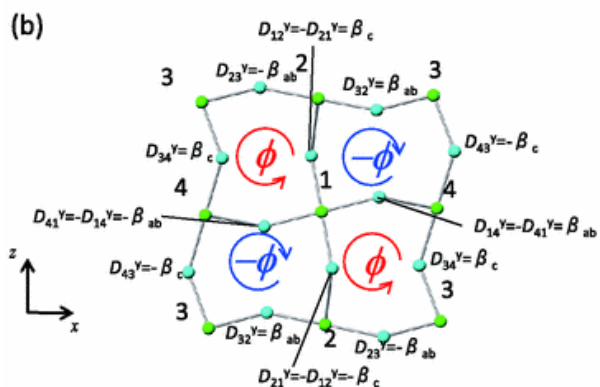
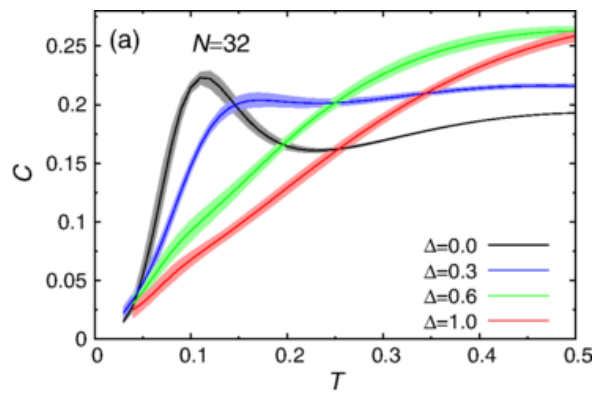
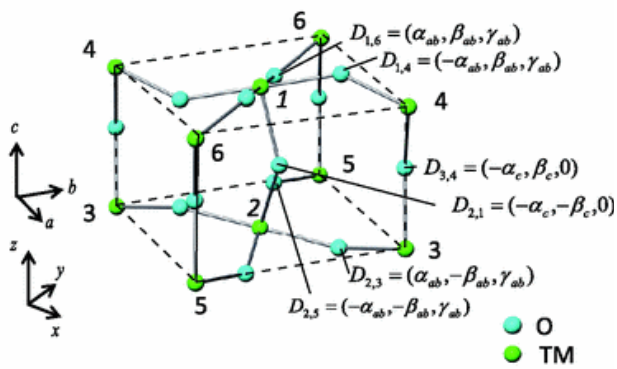


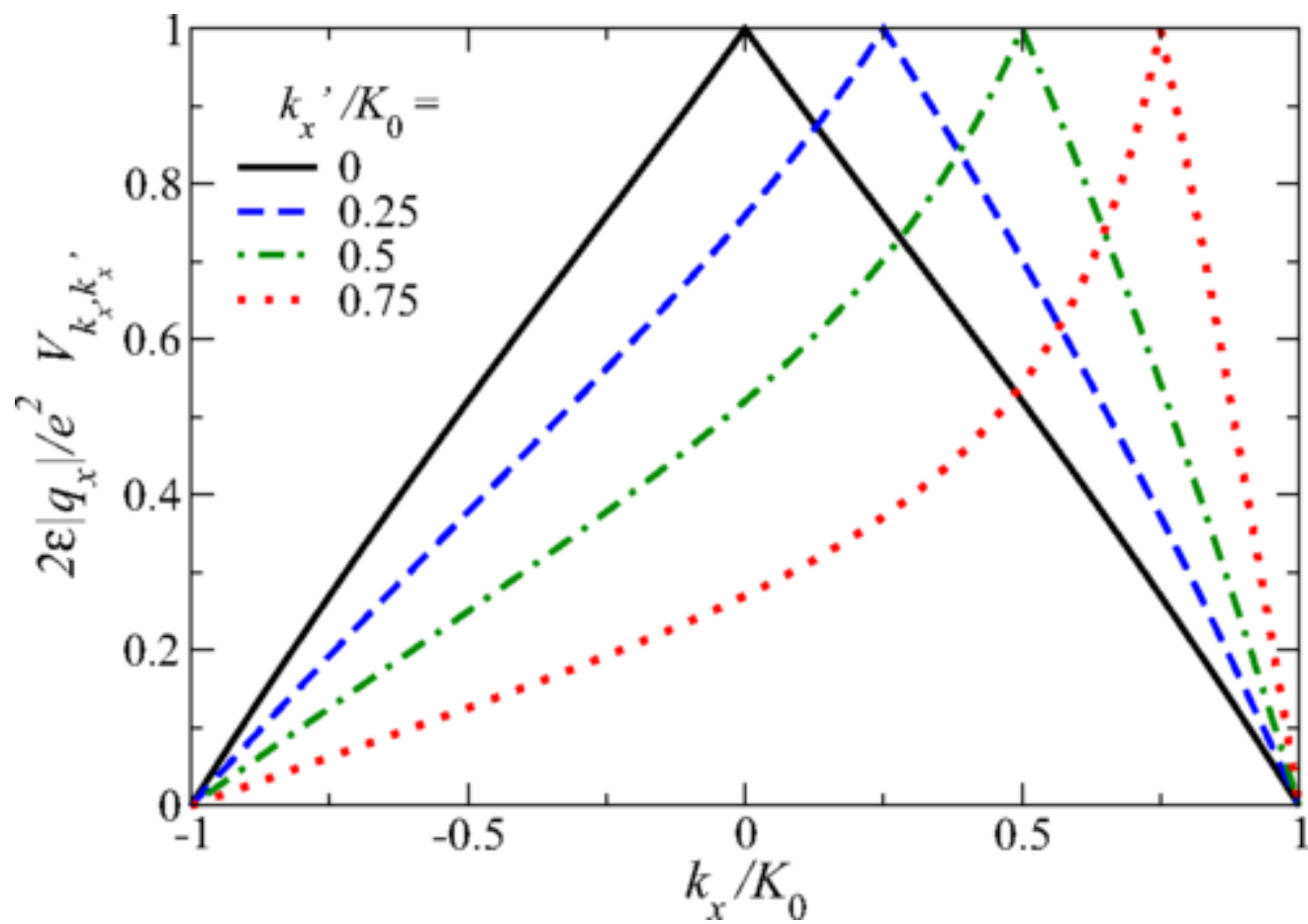
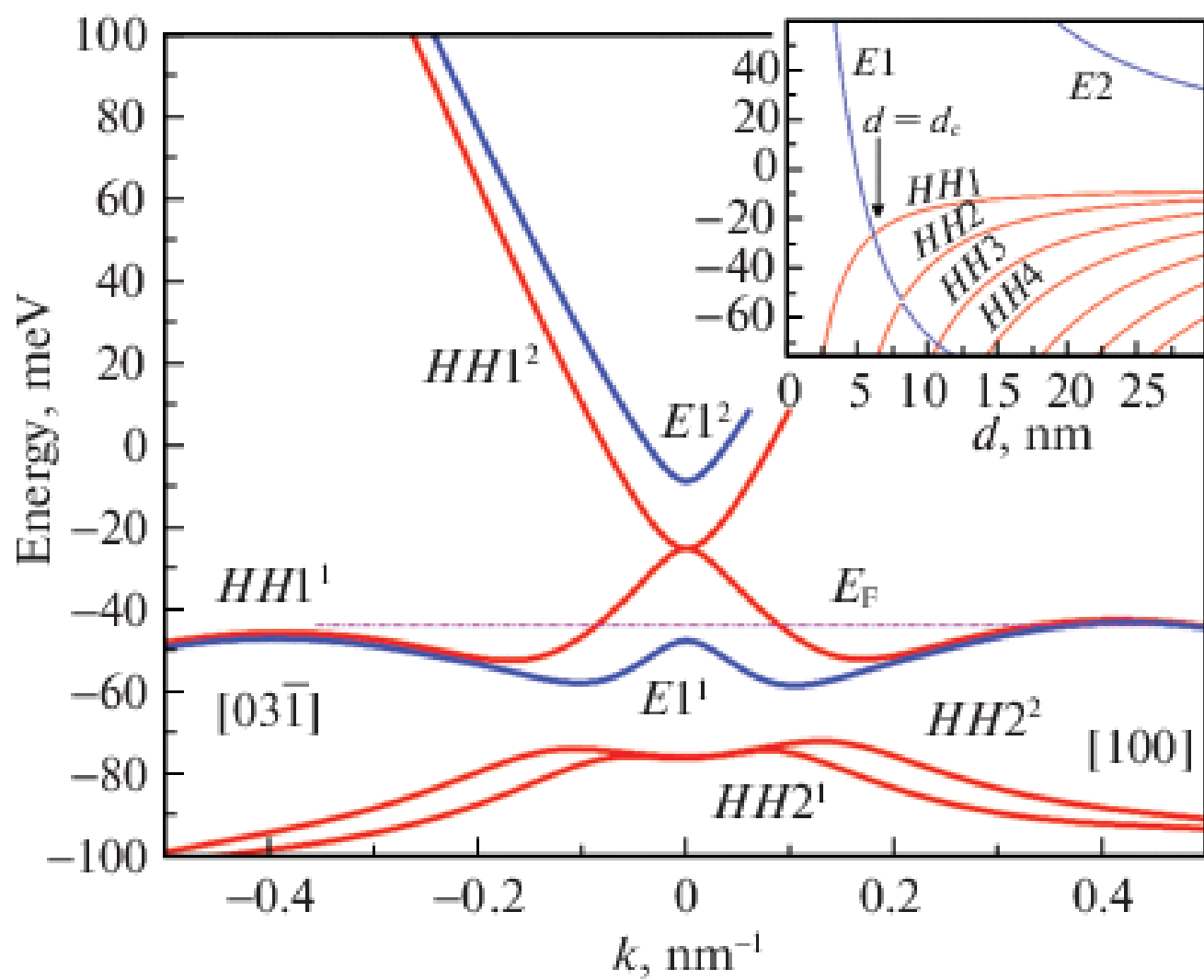


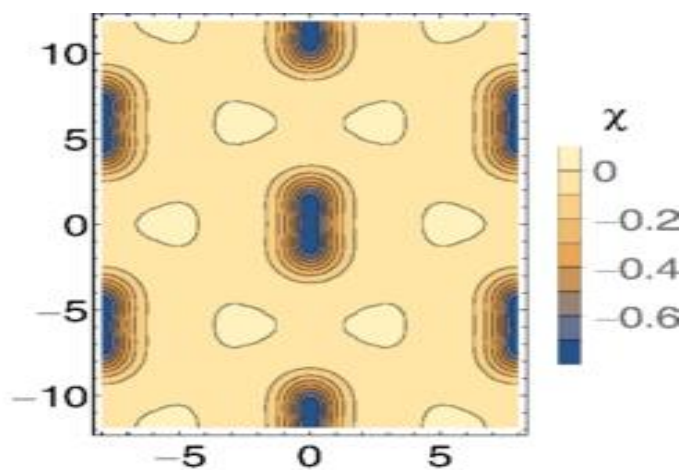
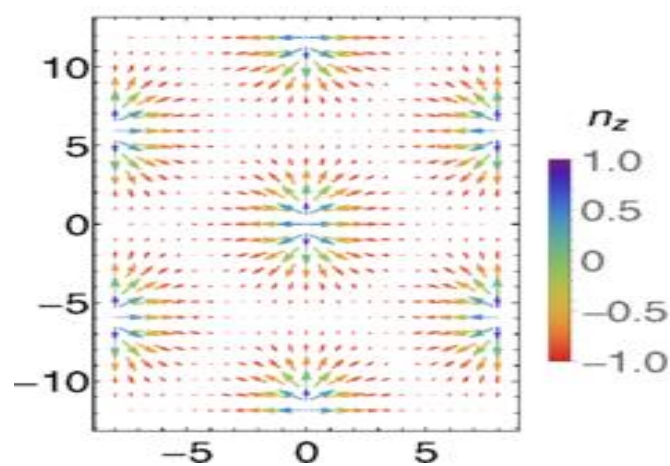
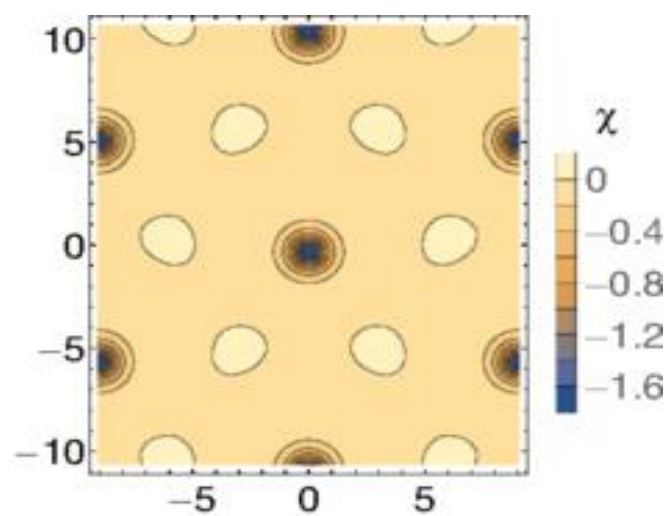
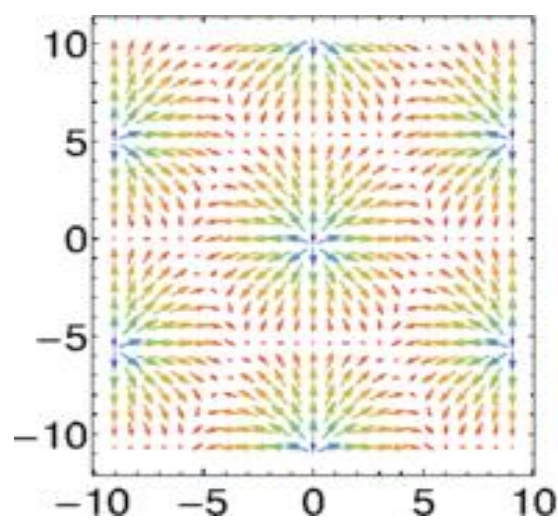
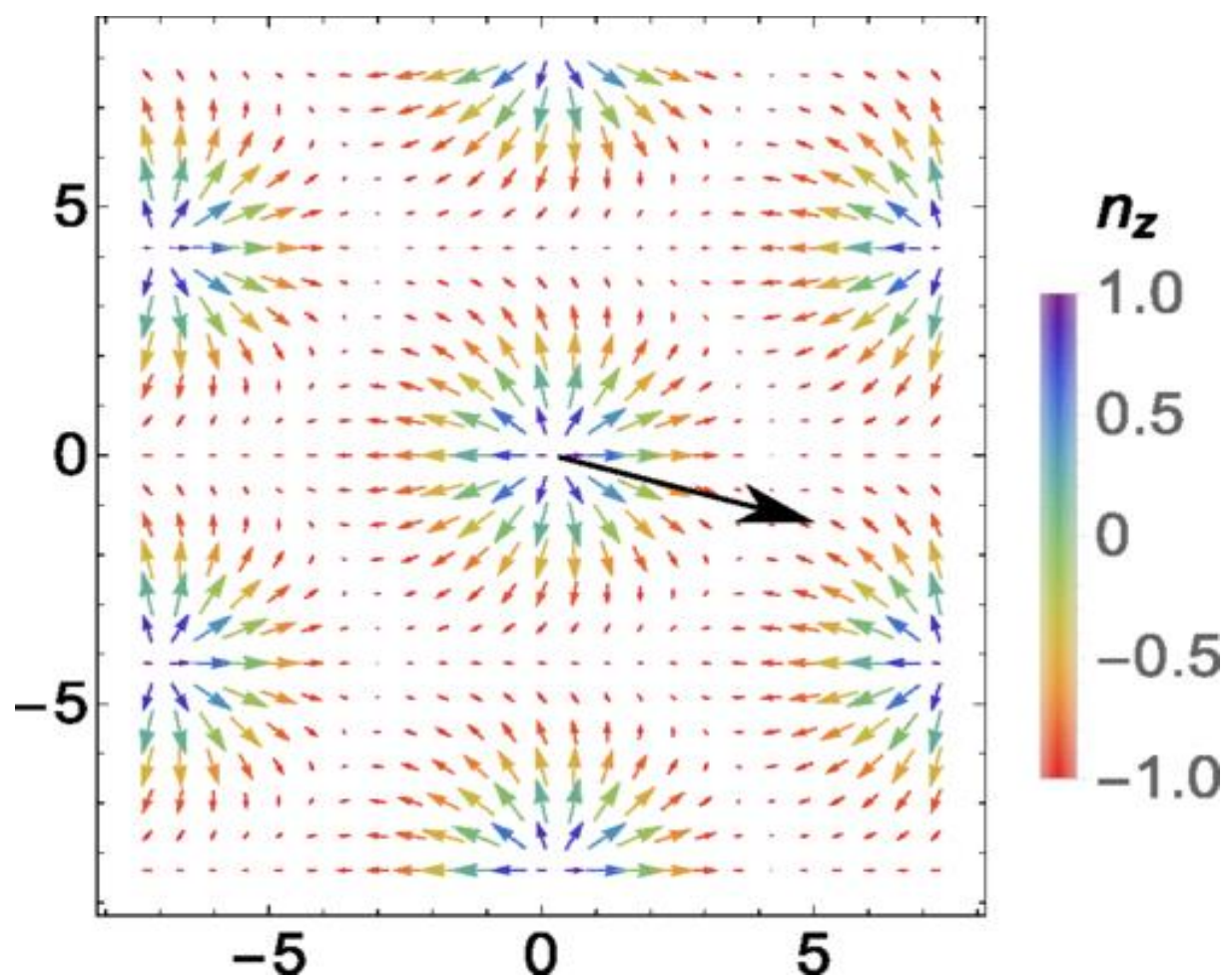


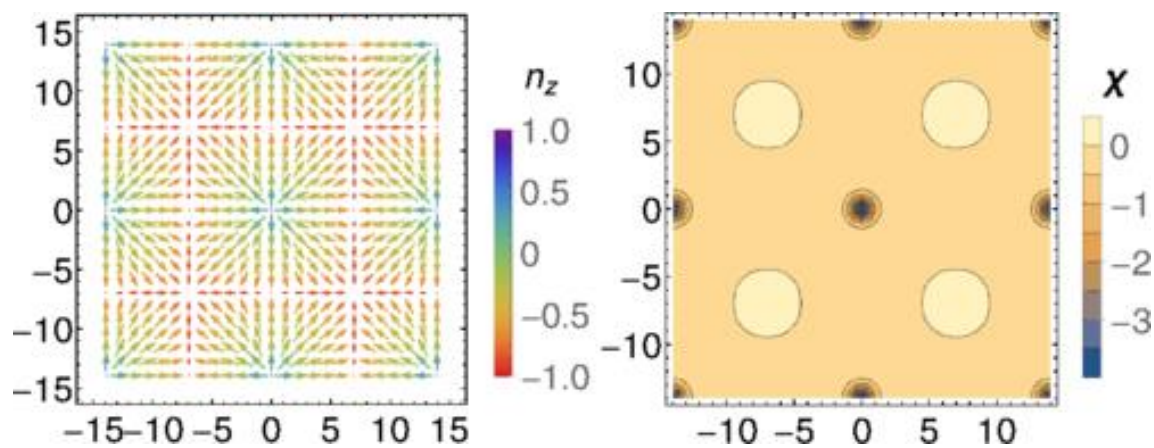
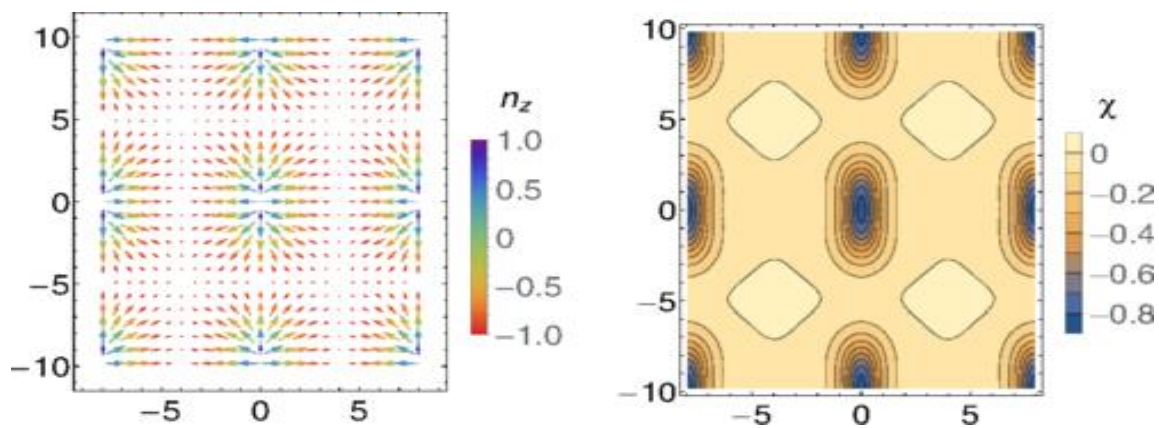
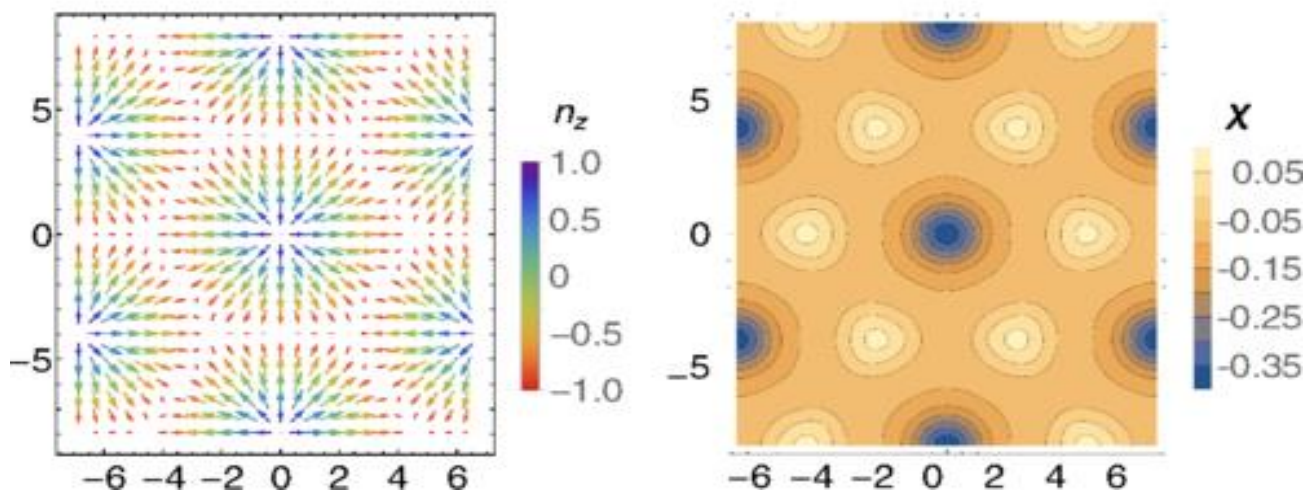
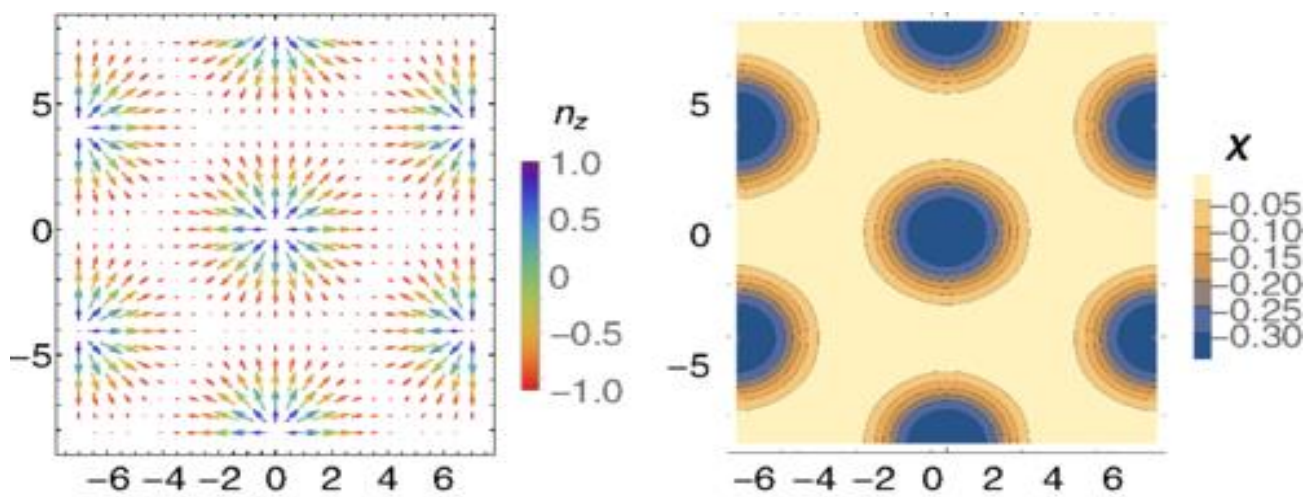


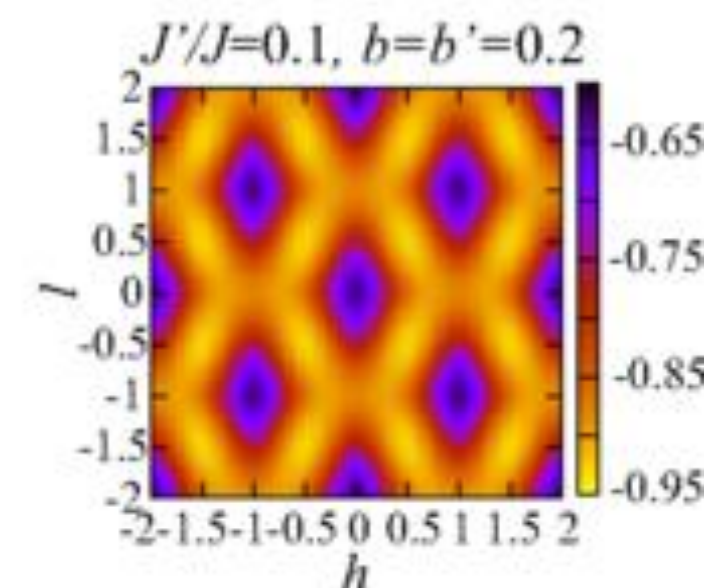
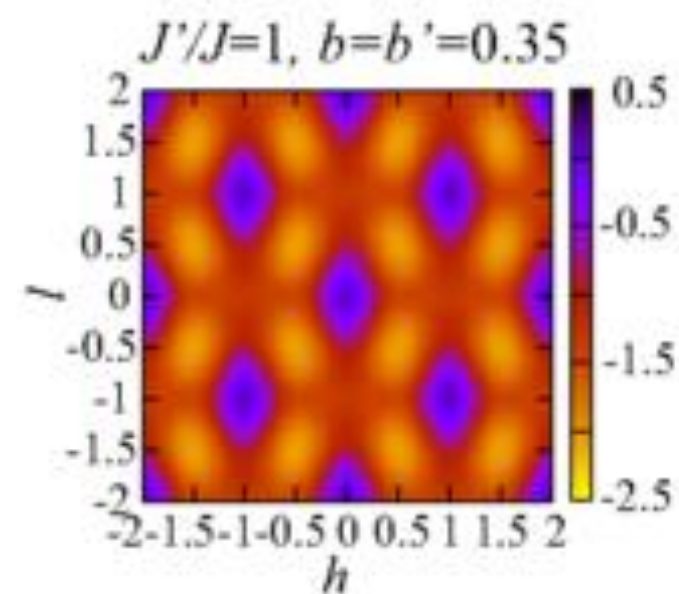
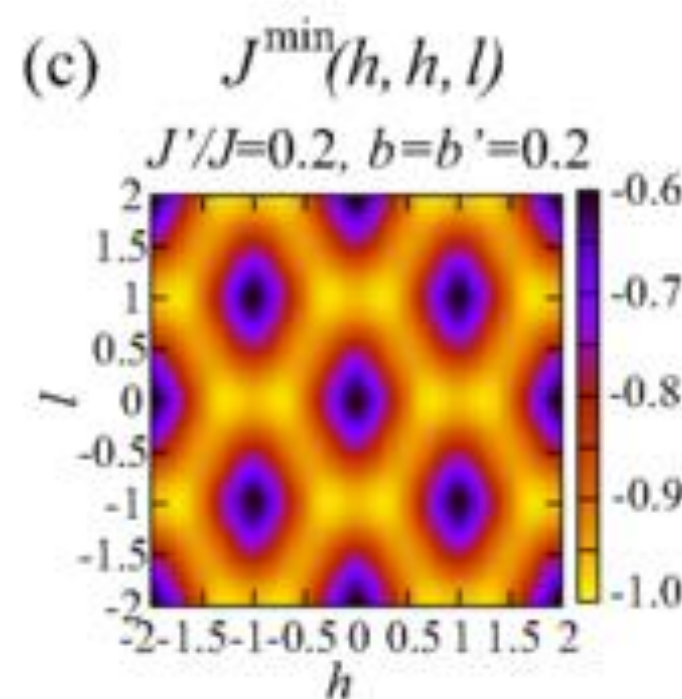
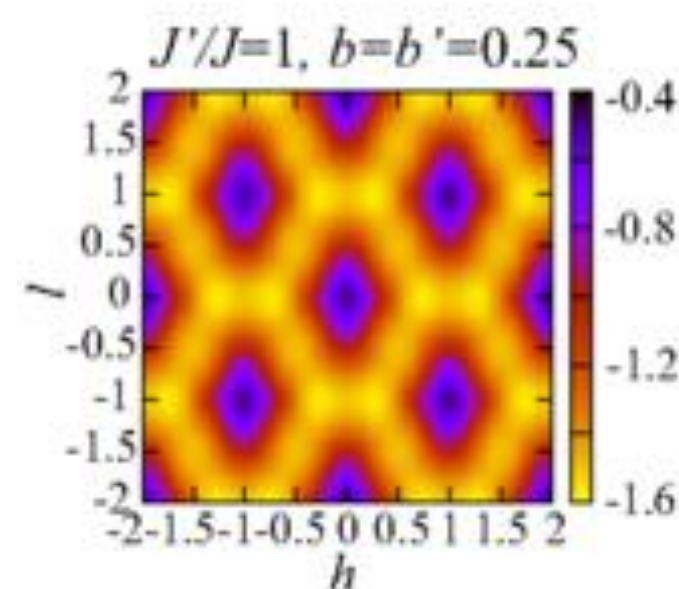
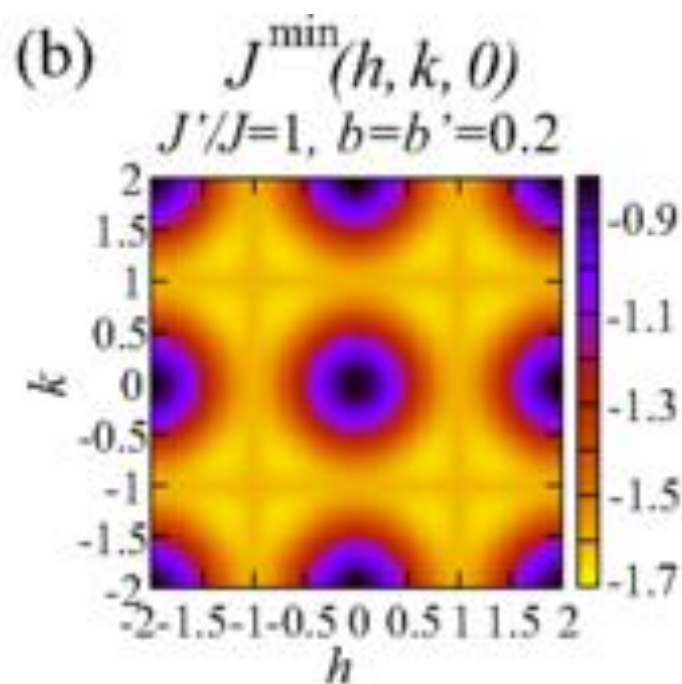
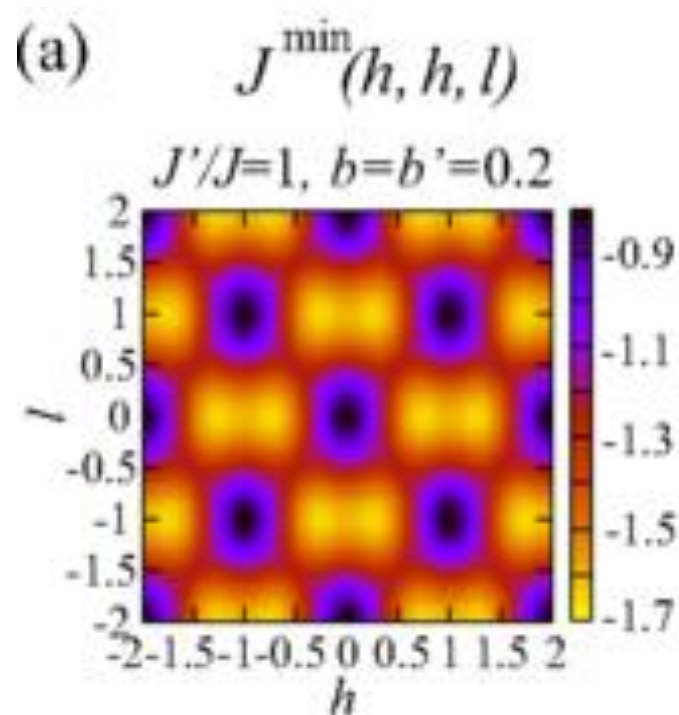
(a)

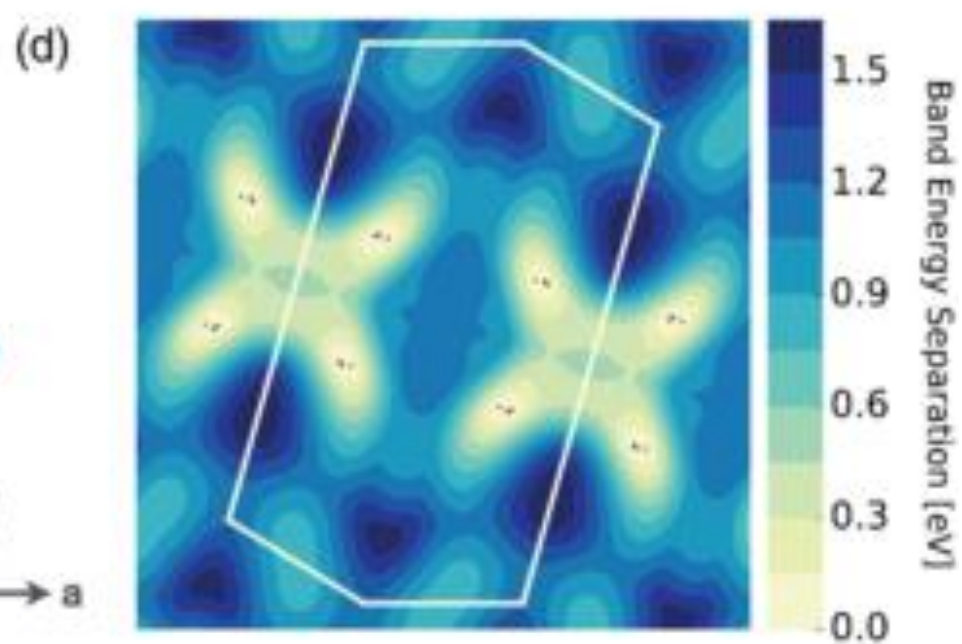
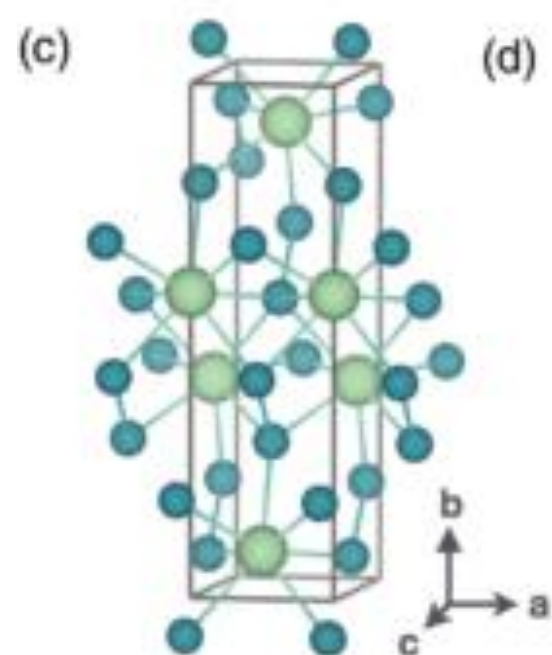
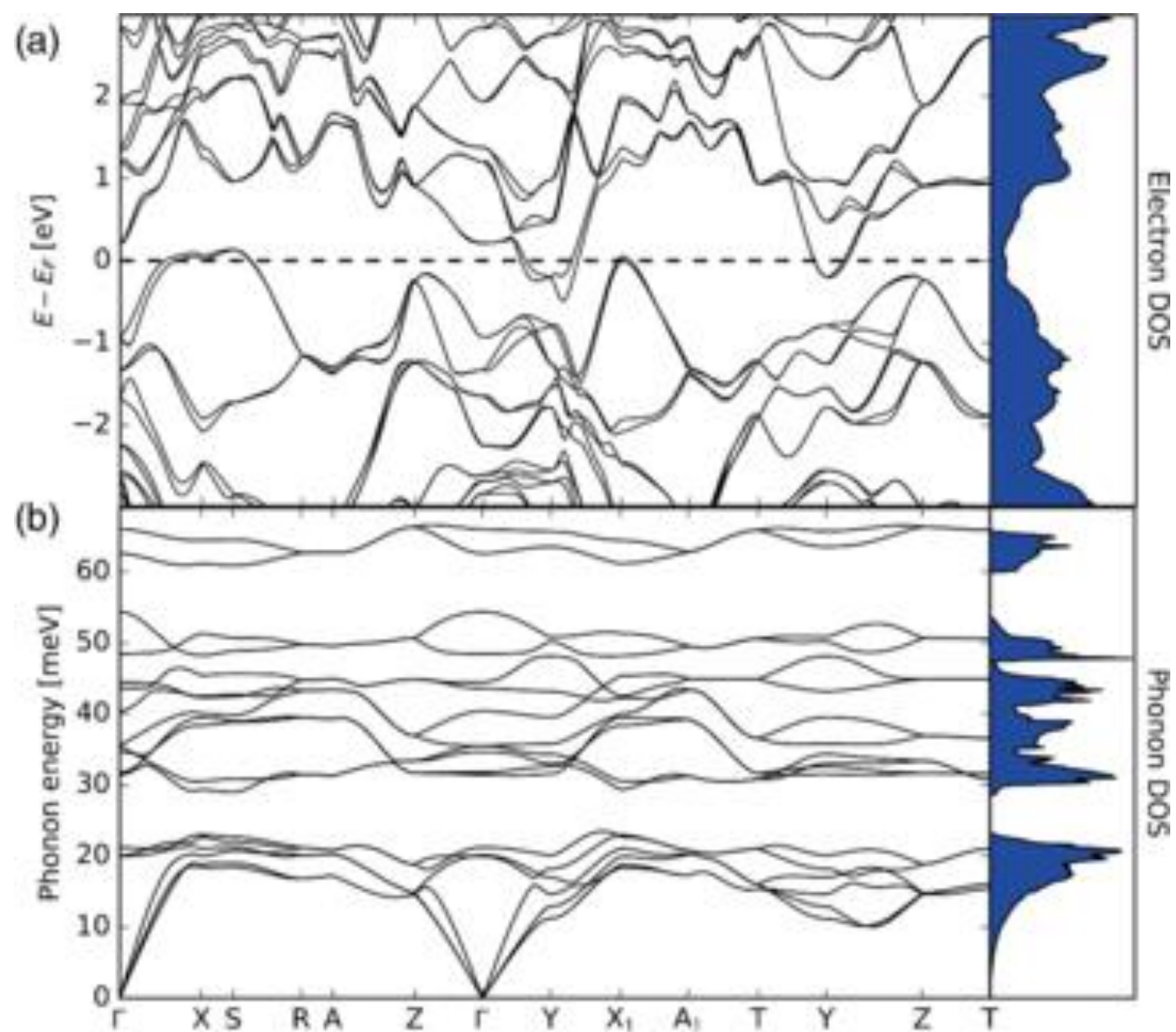


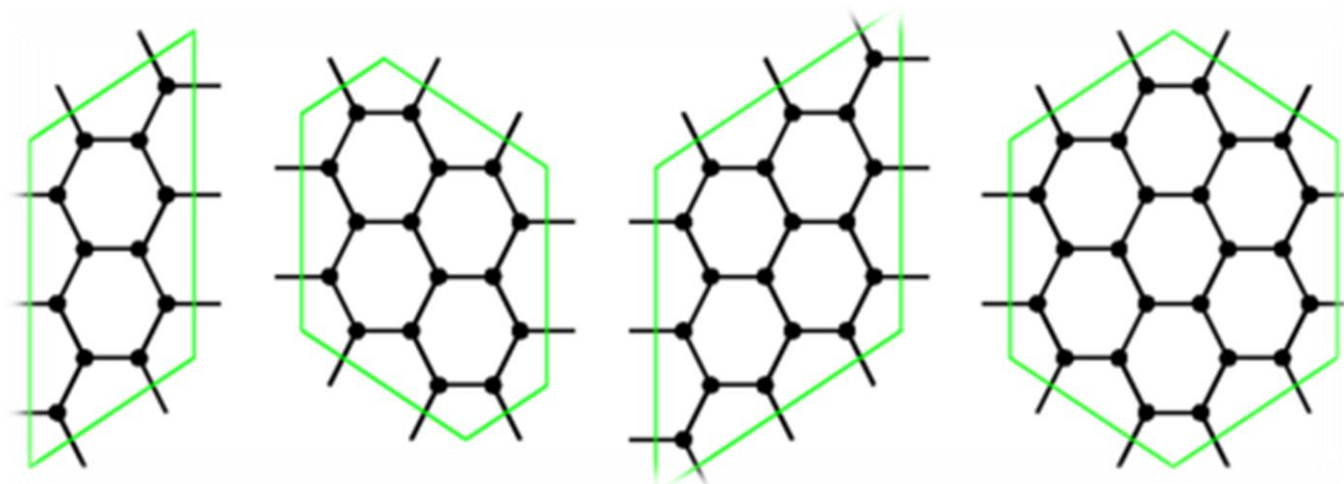
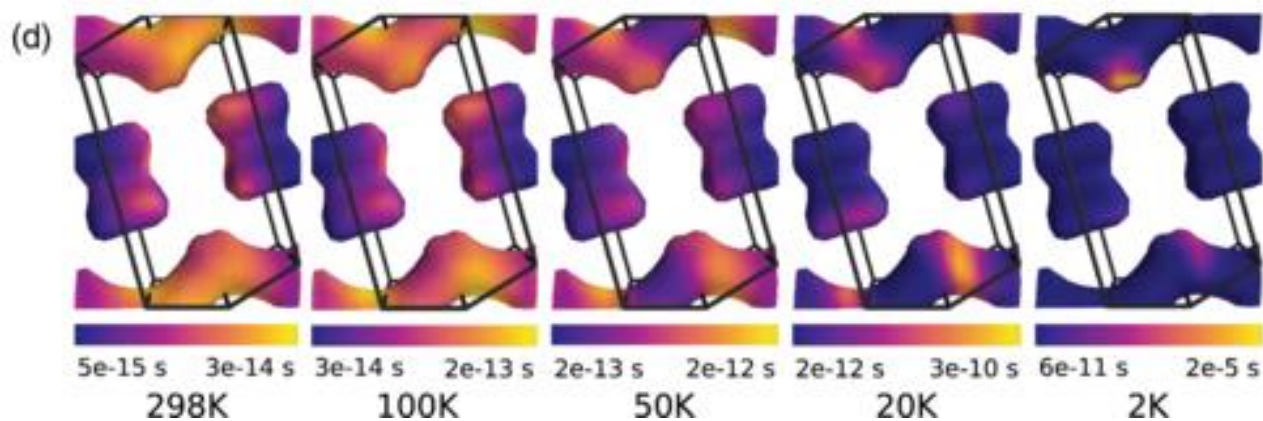
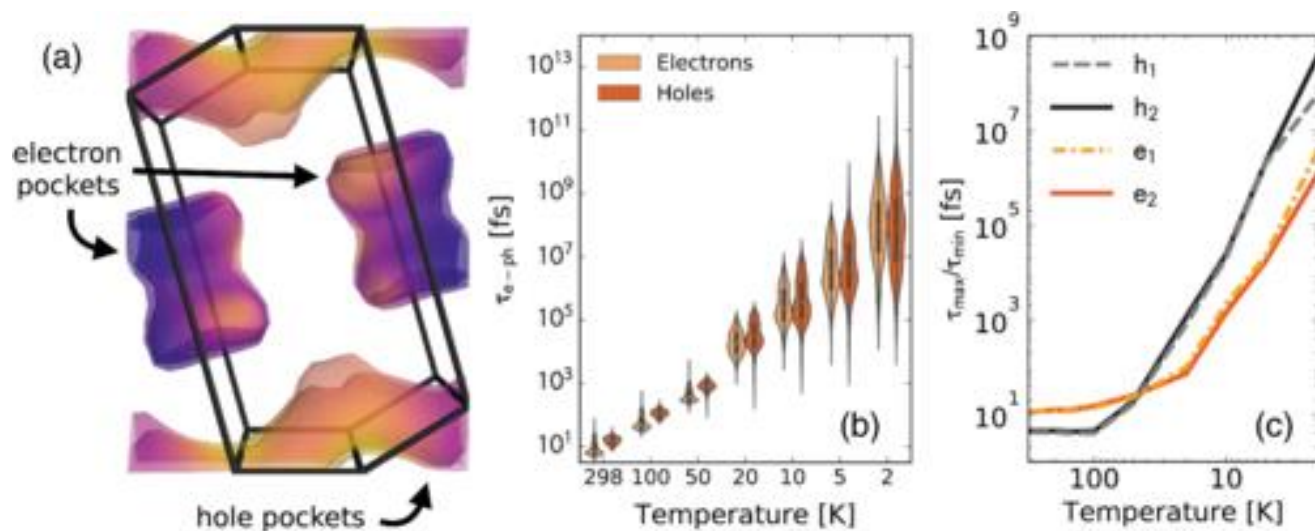
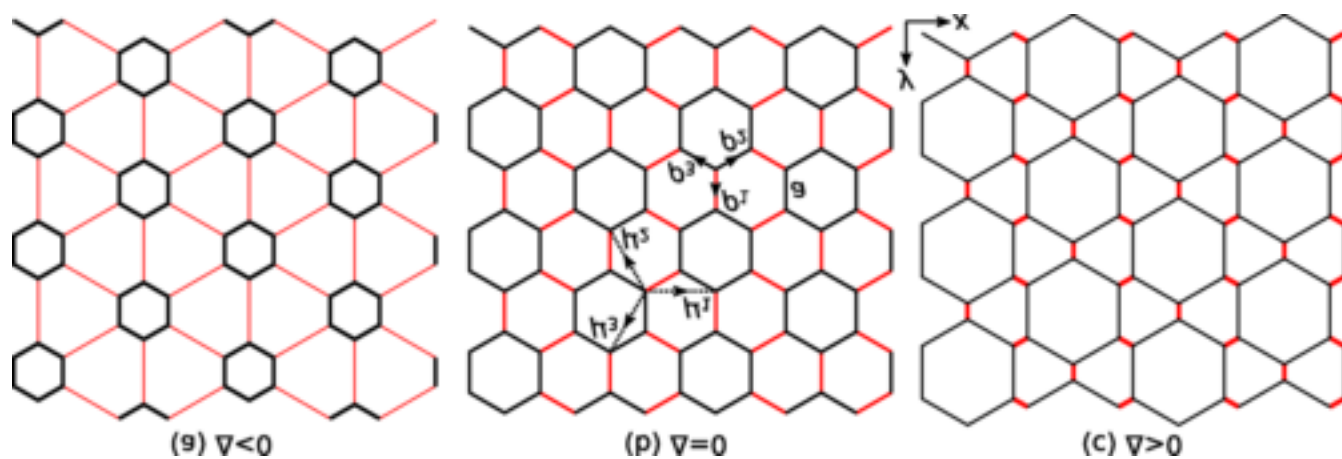




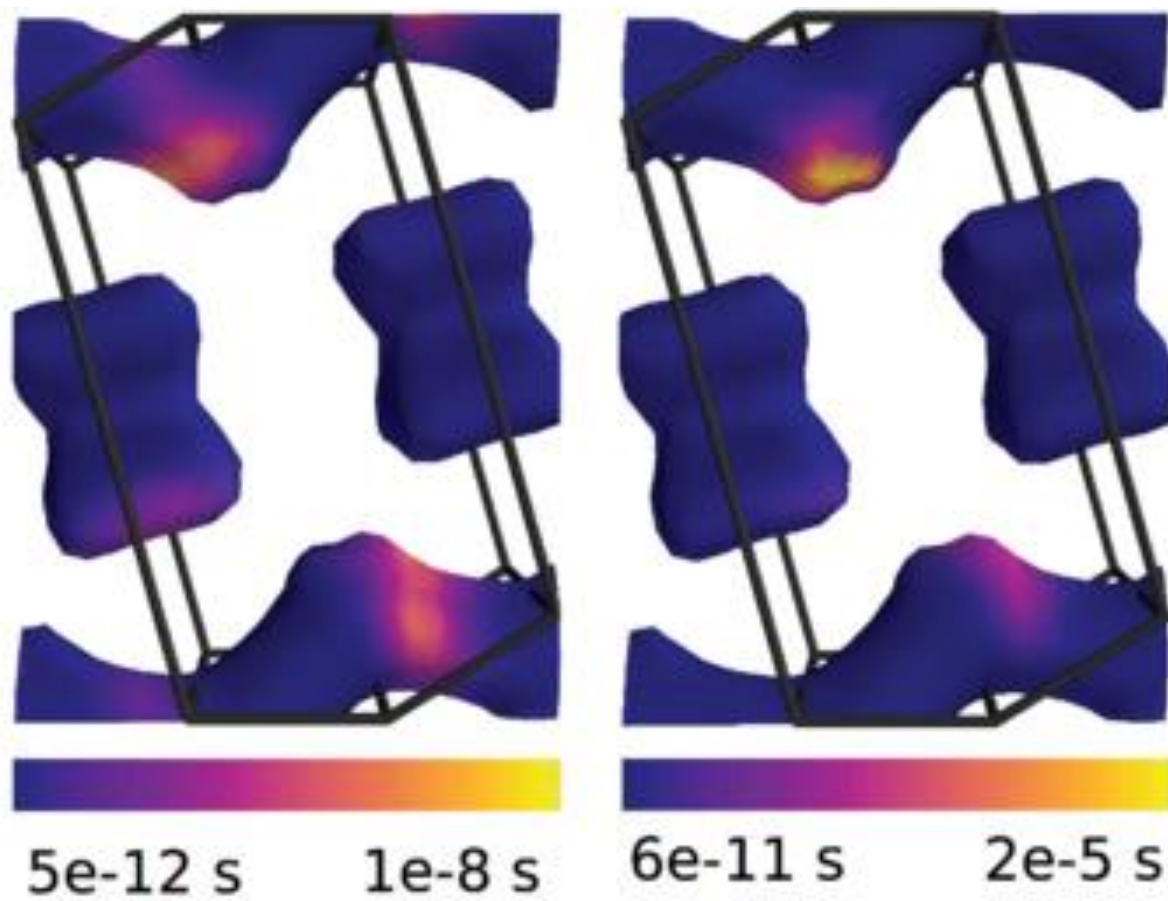




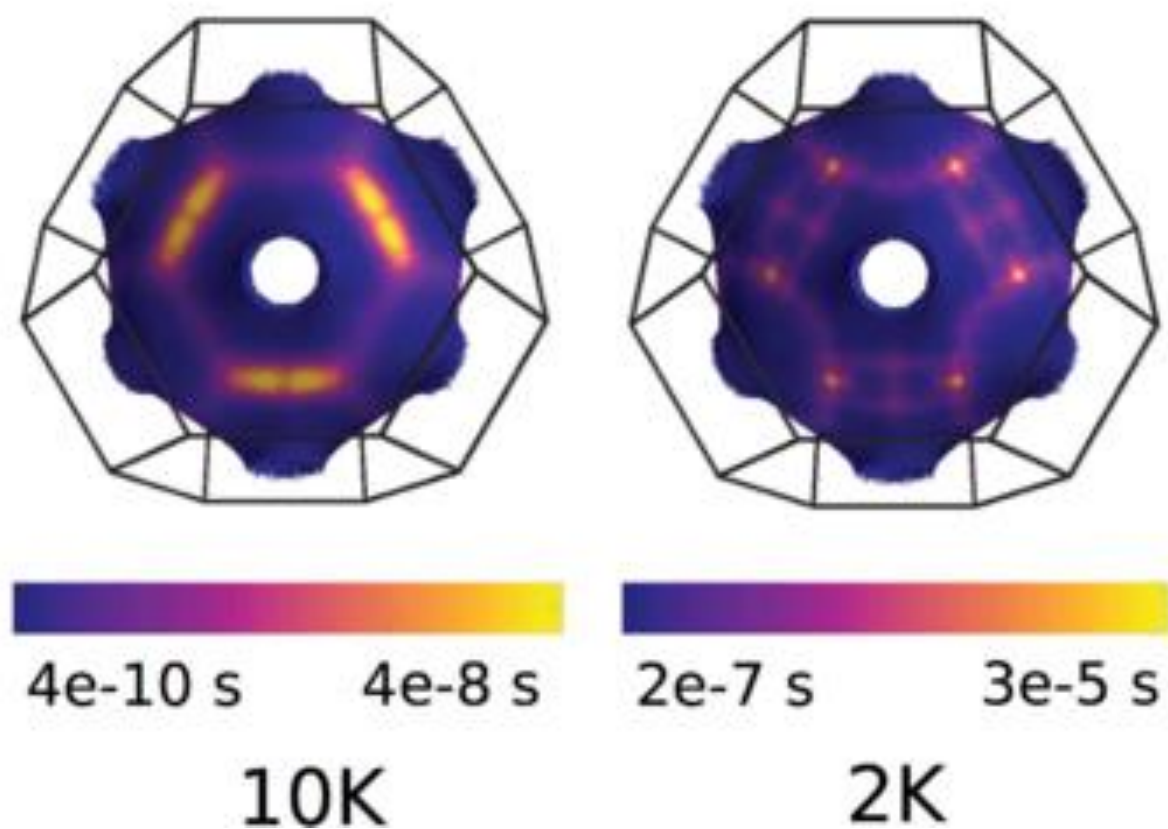


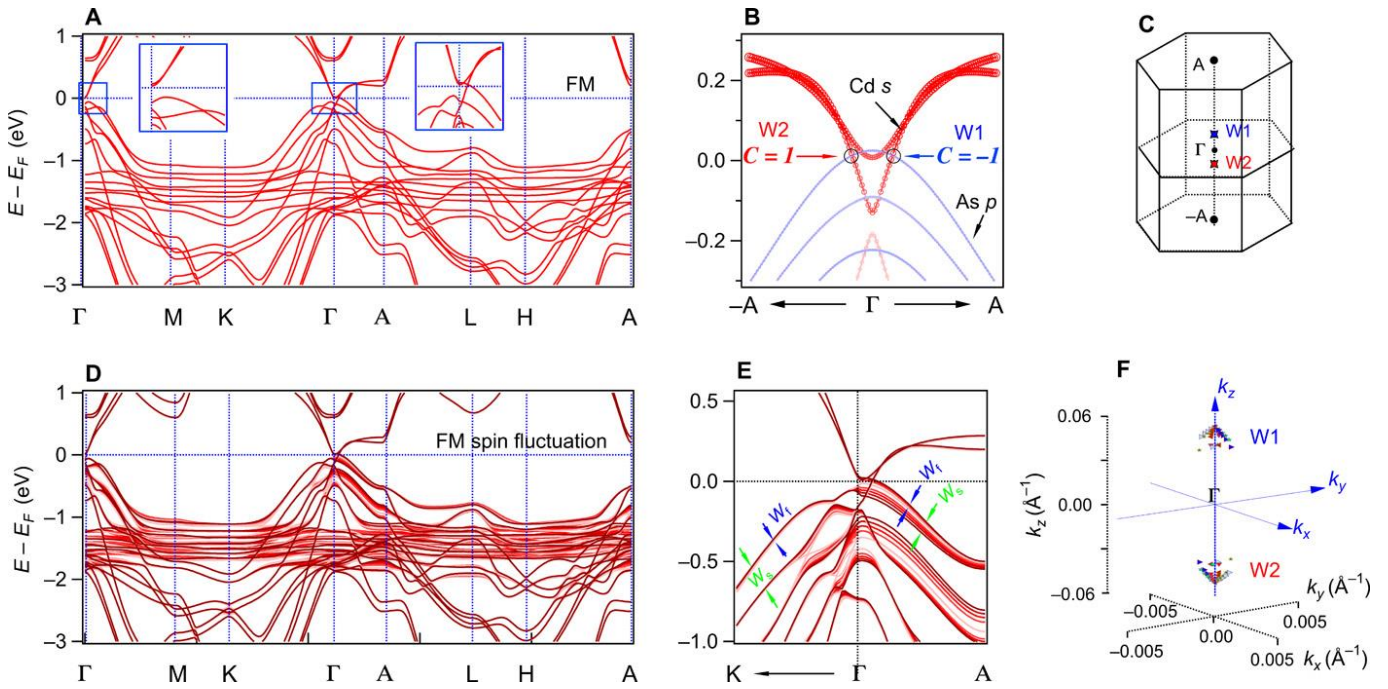
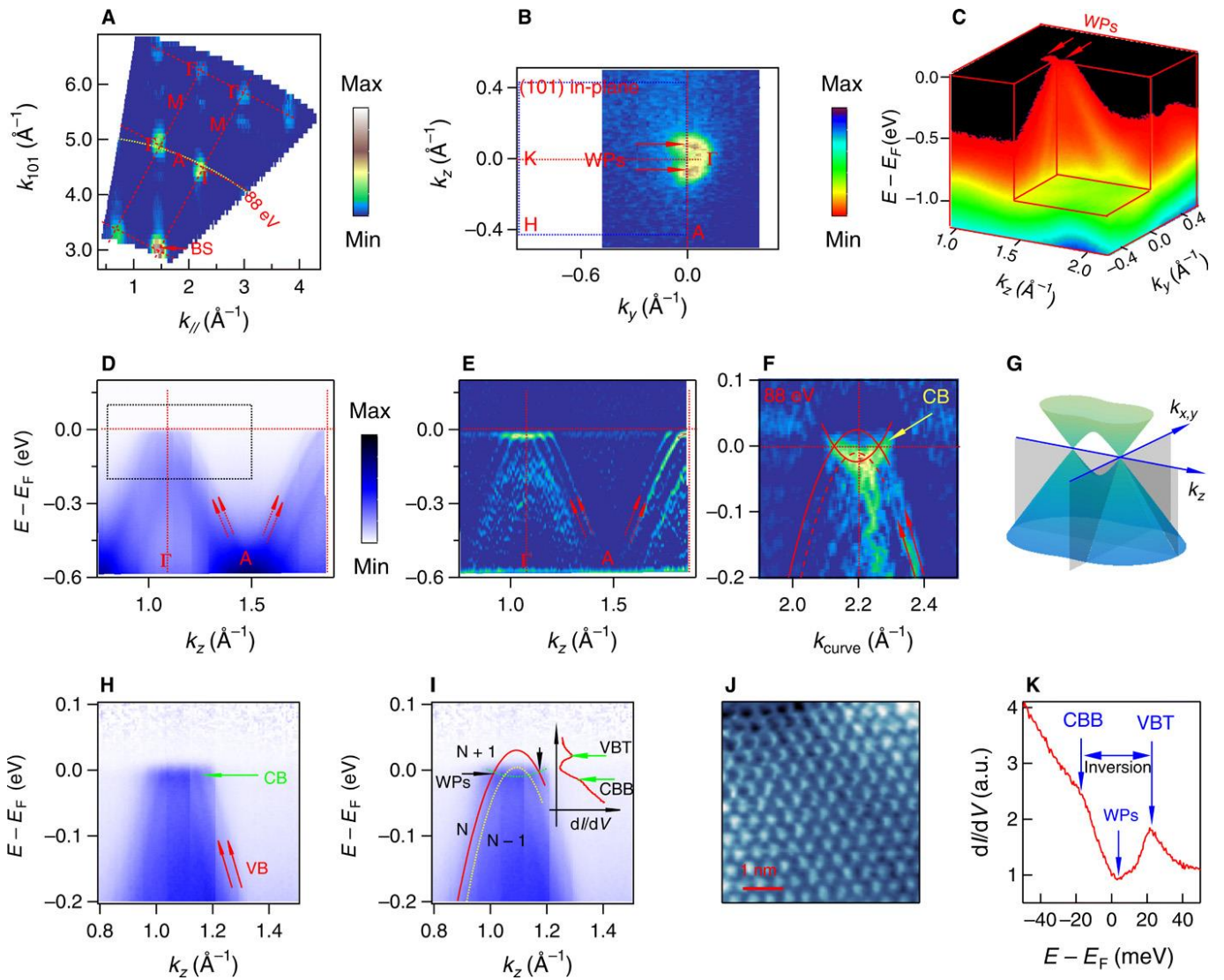


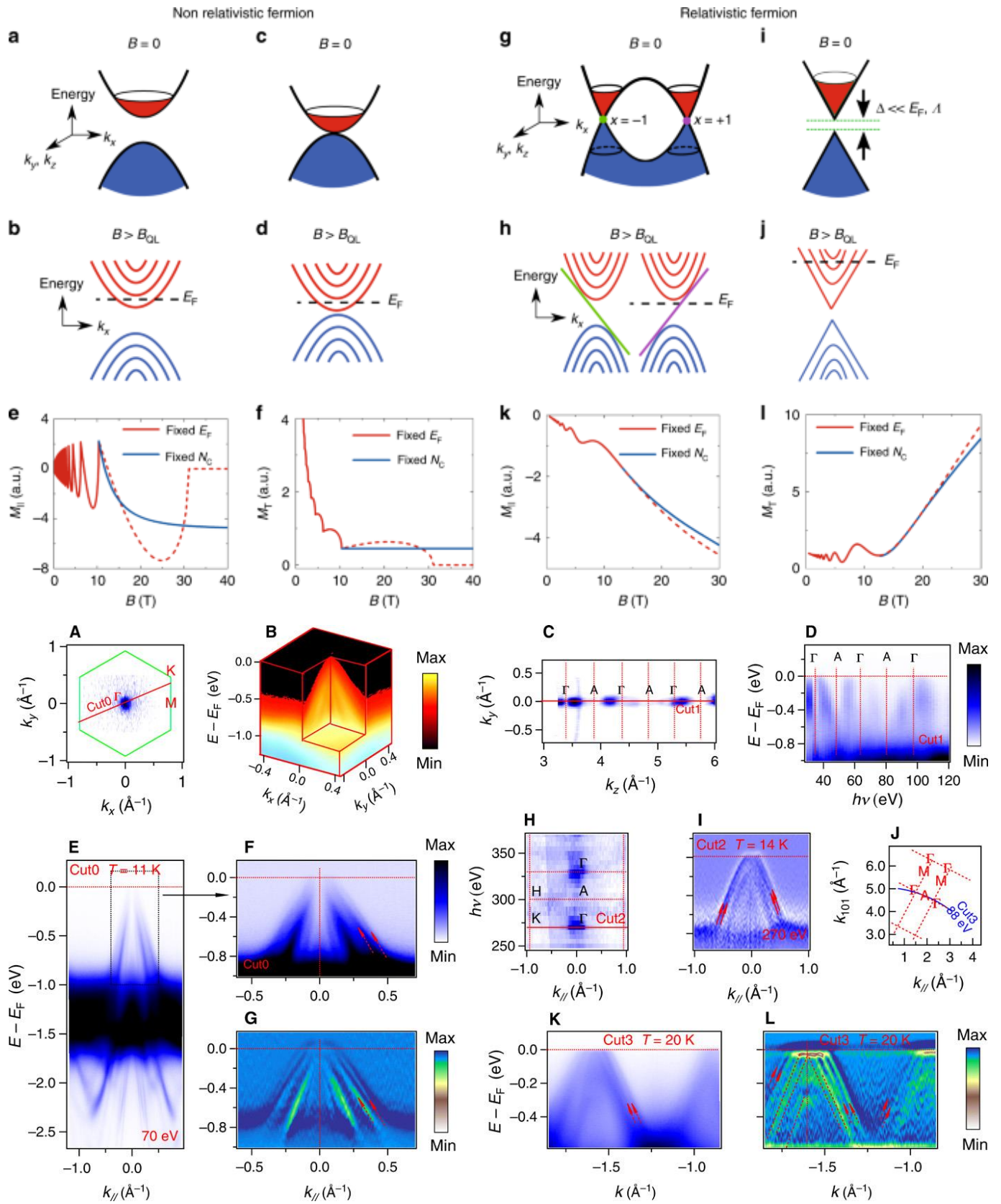
(a)

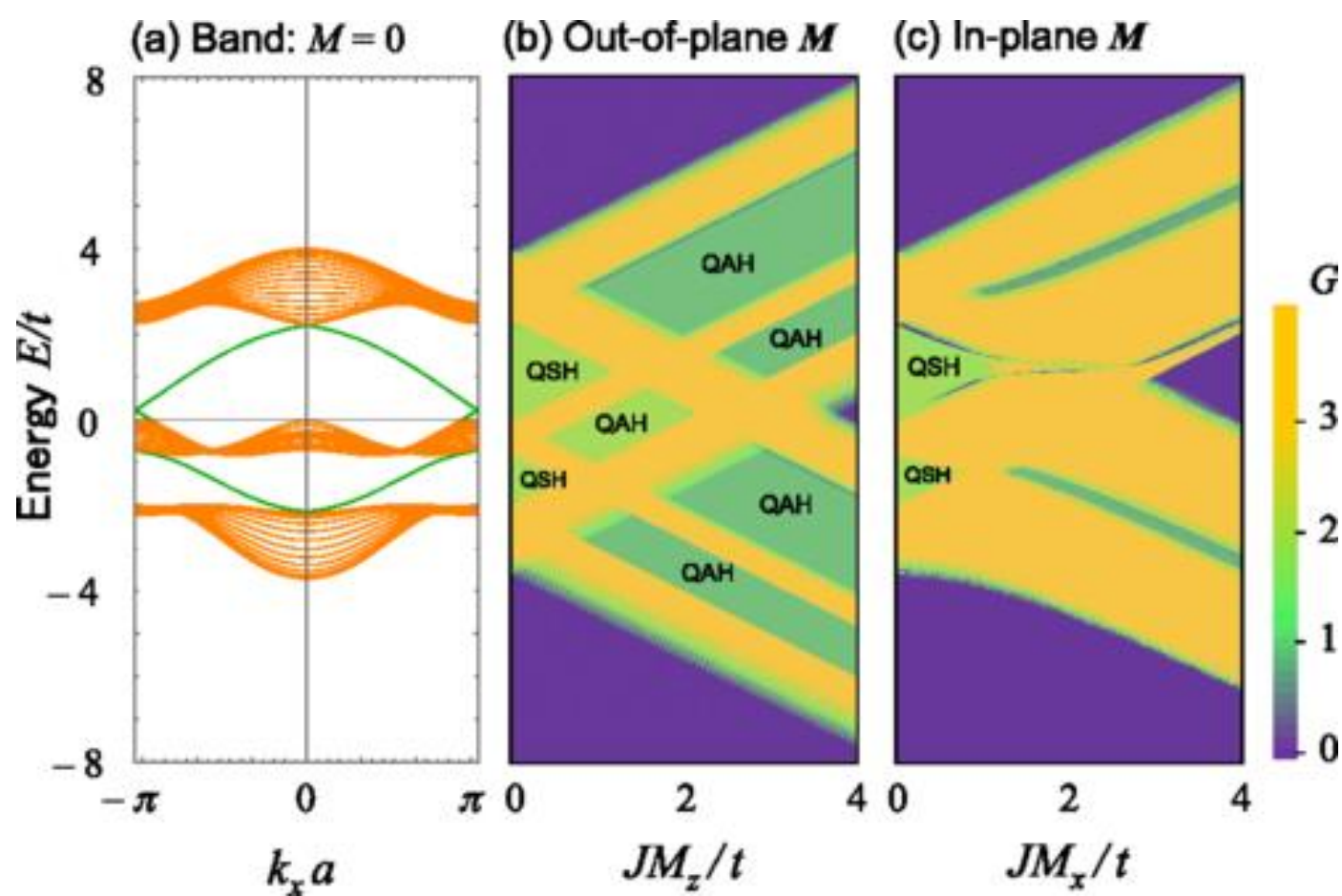
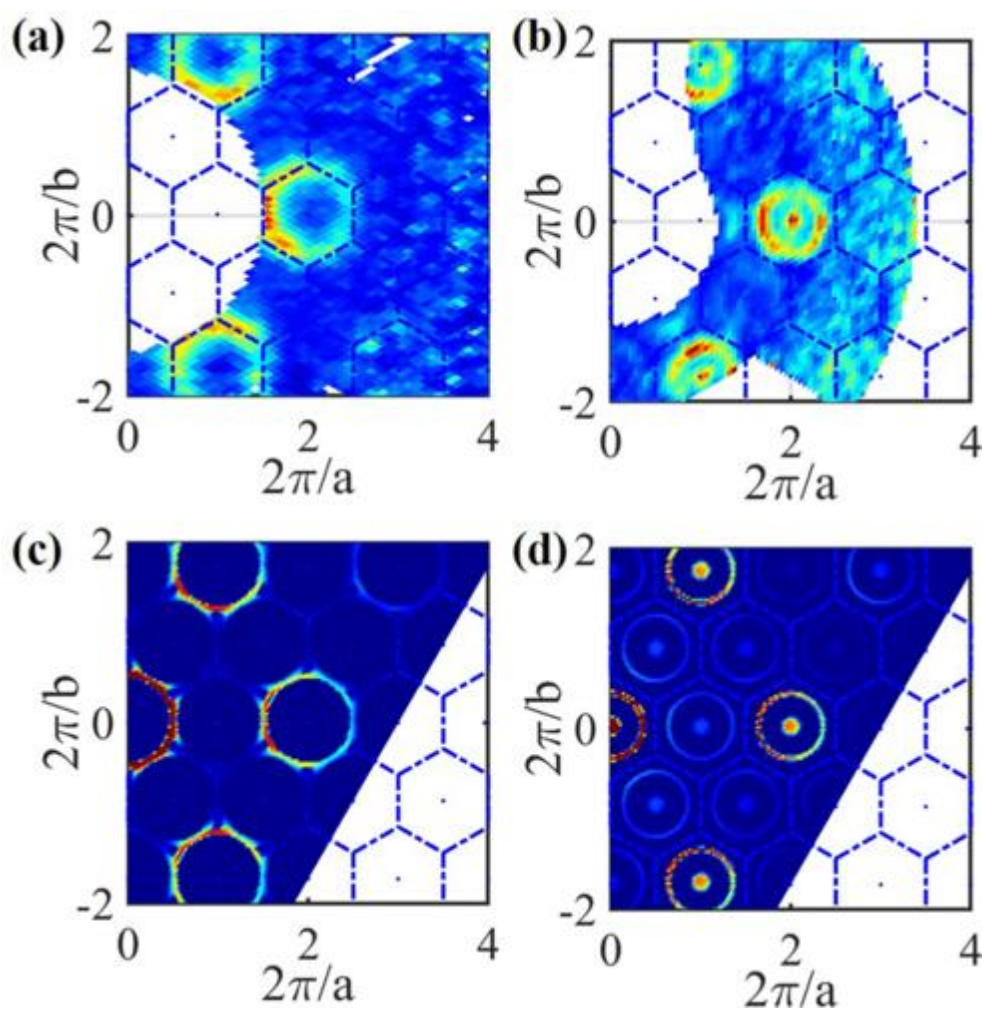


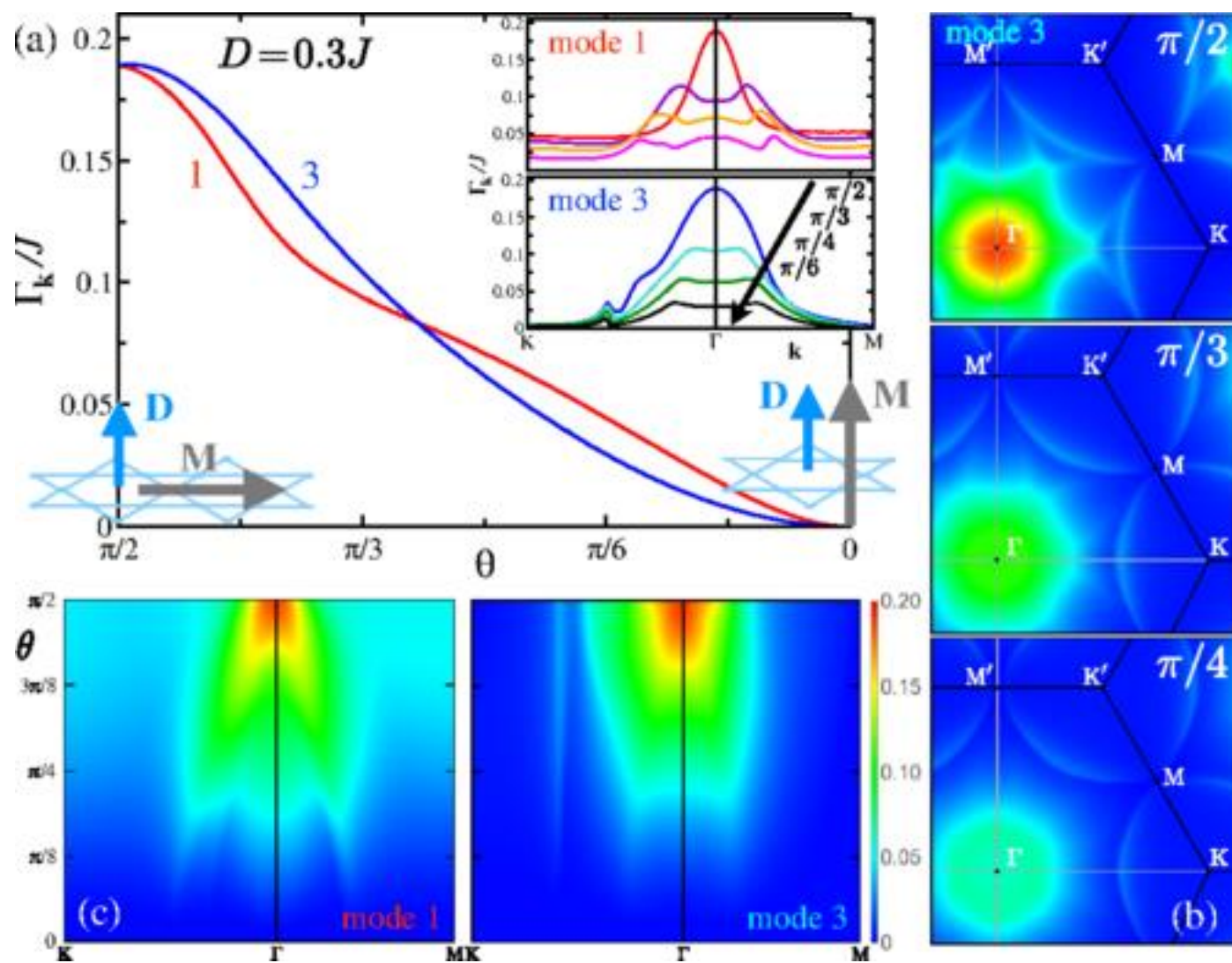
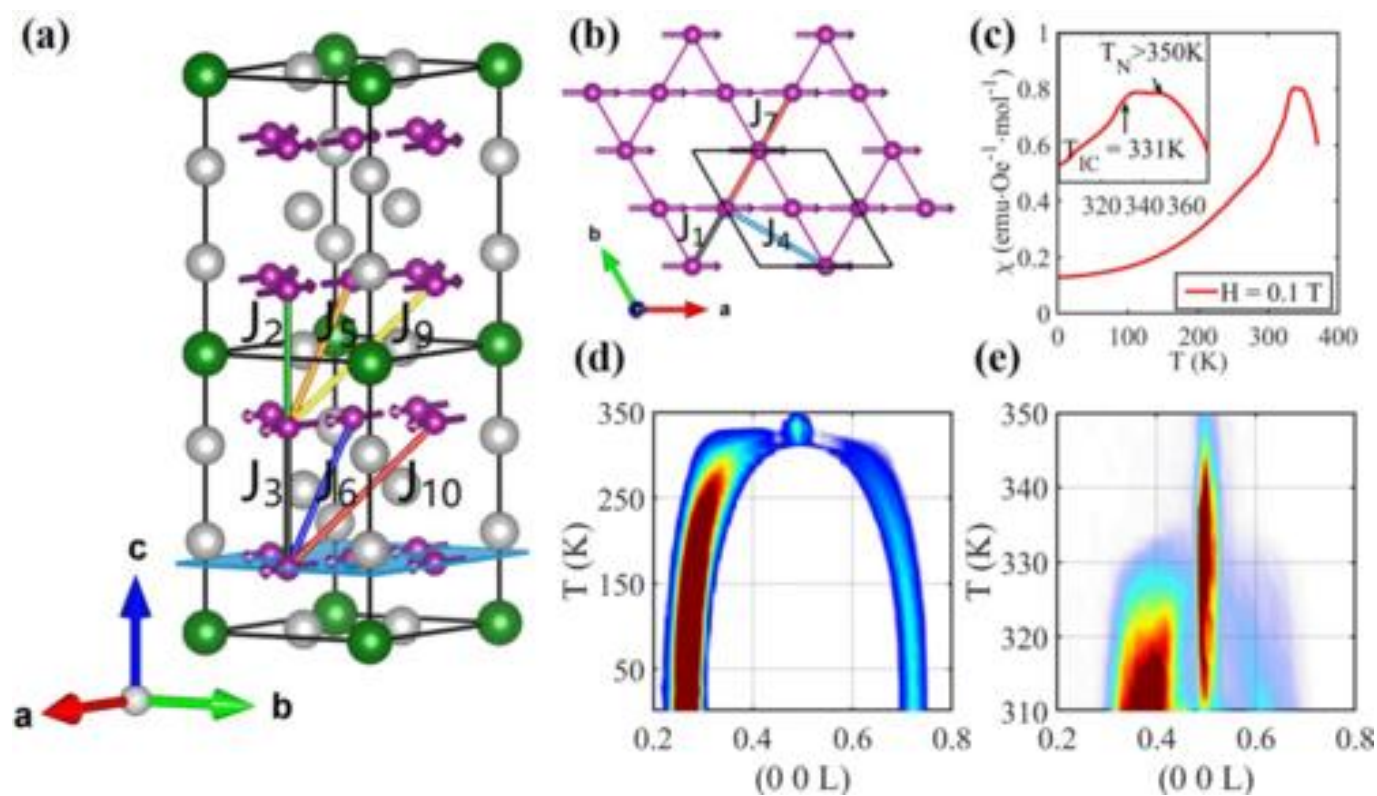
(b)

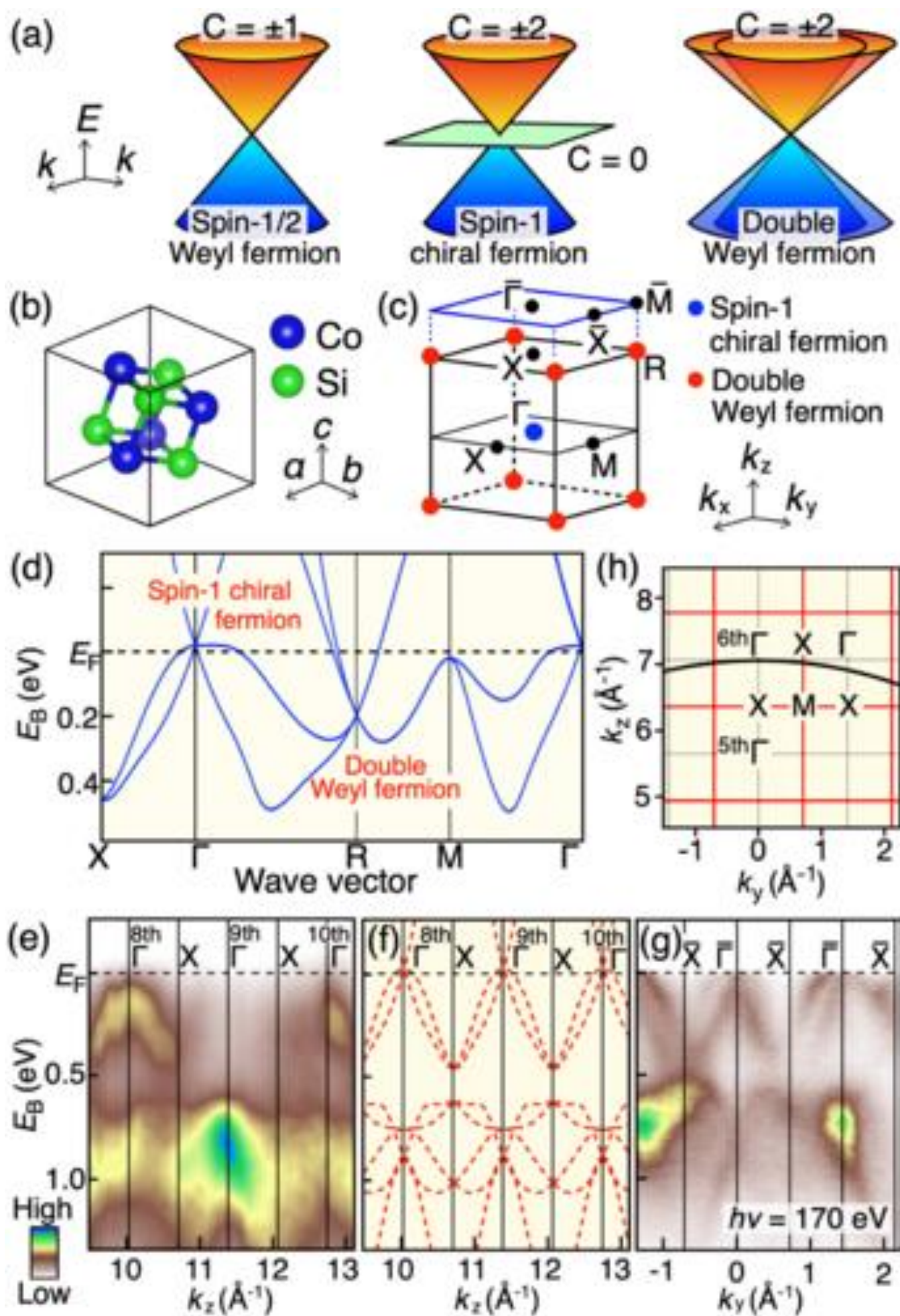


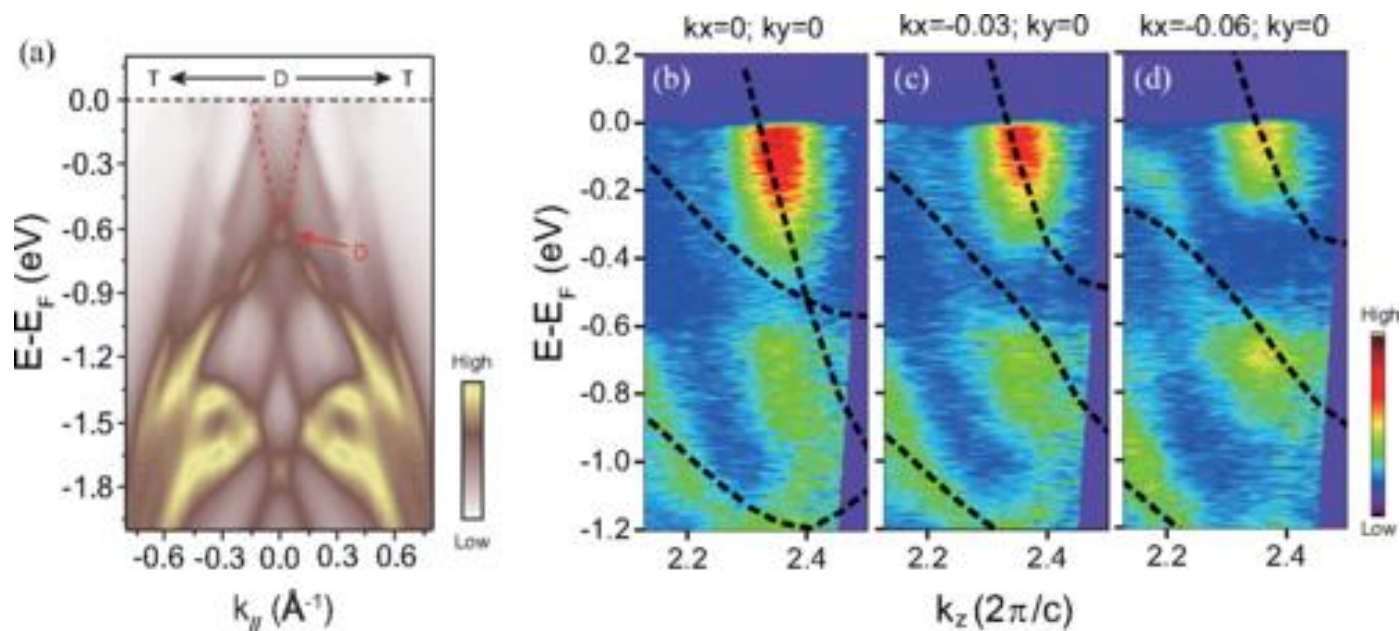
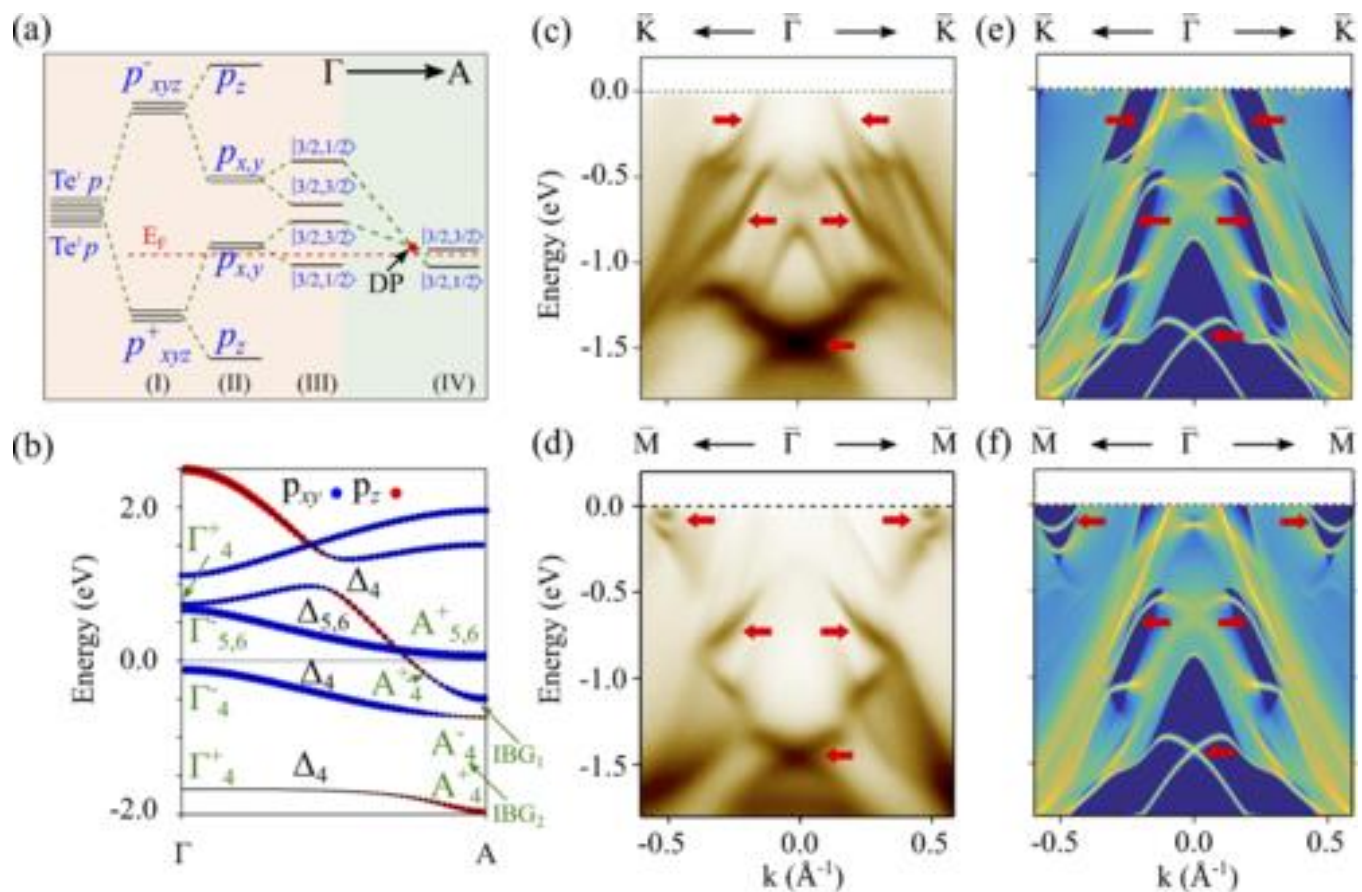
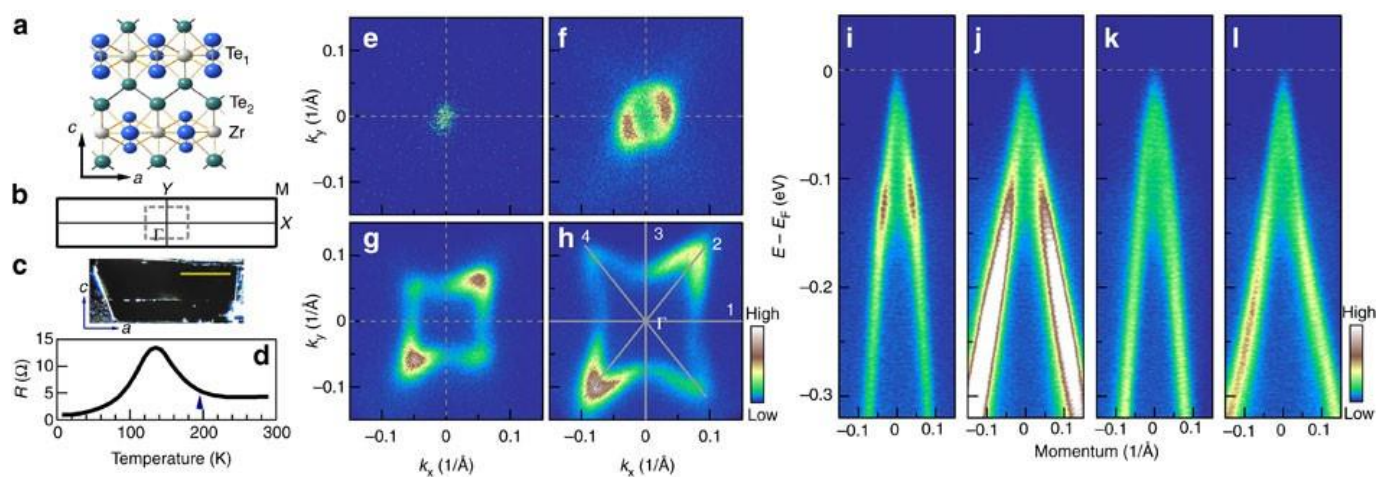


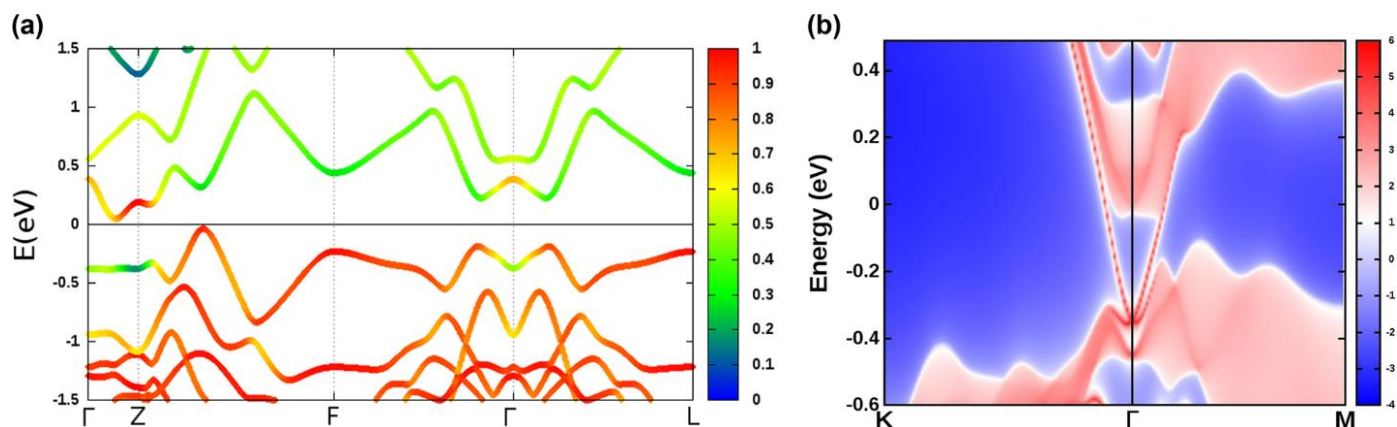
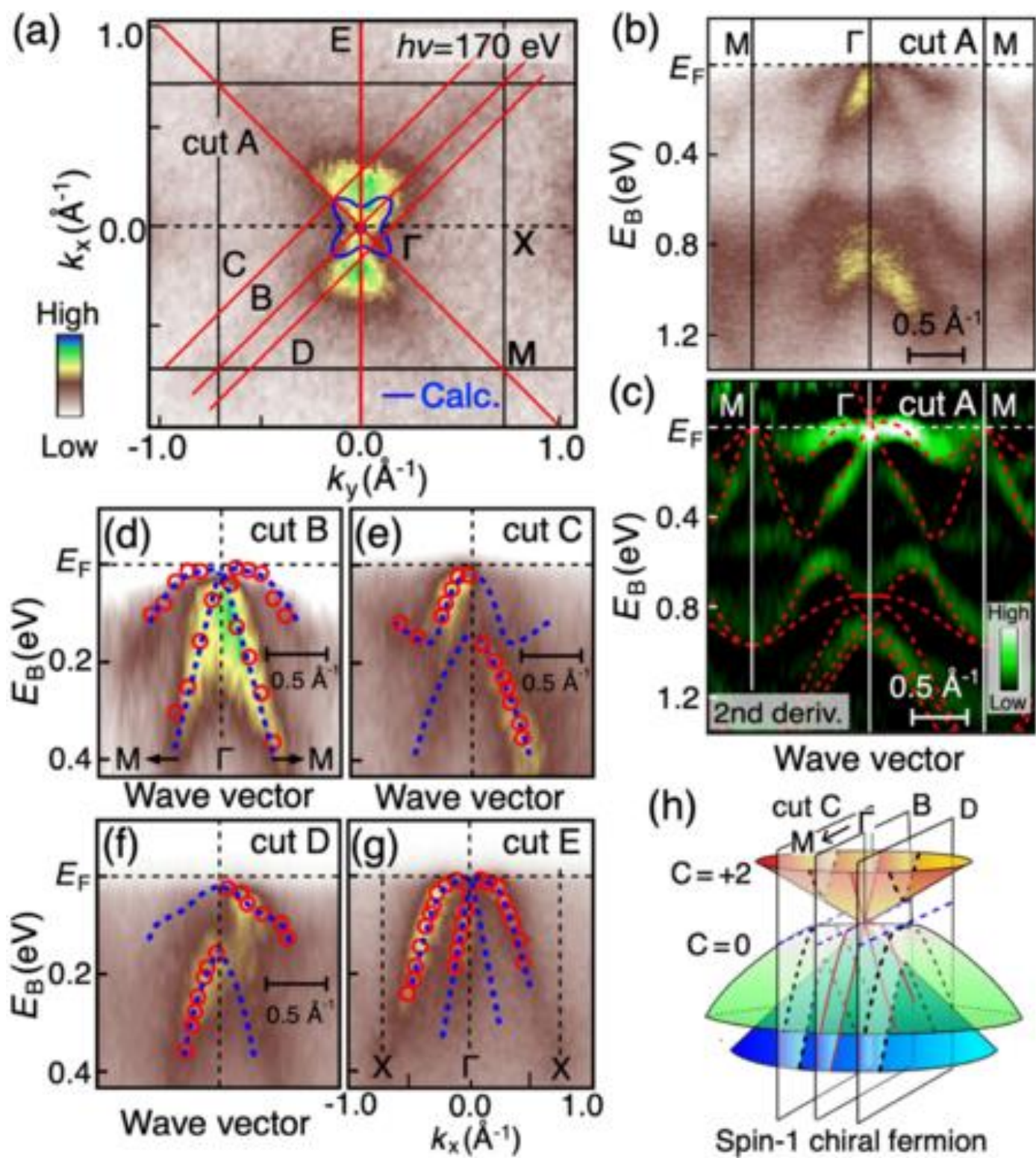


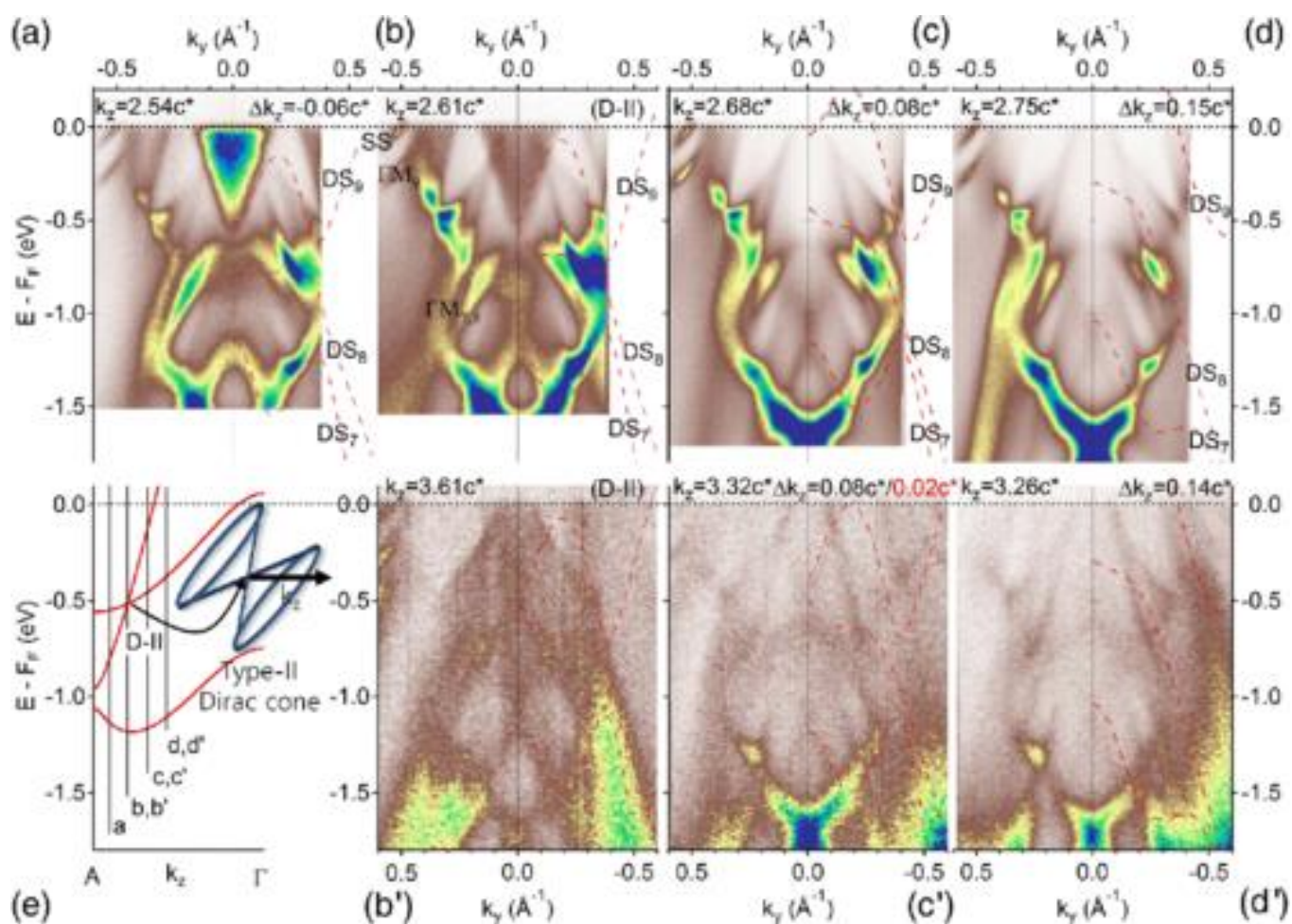
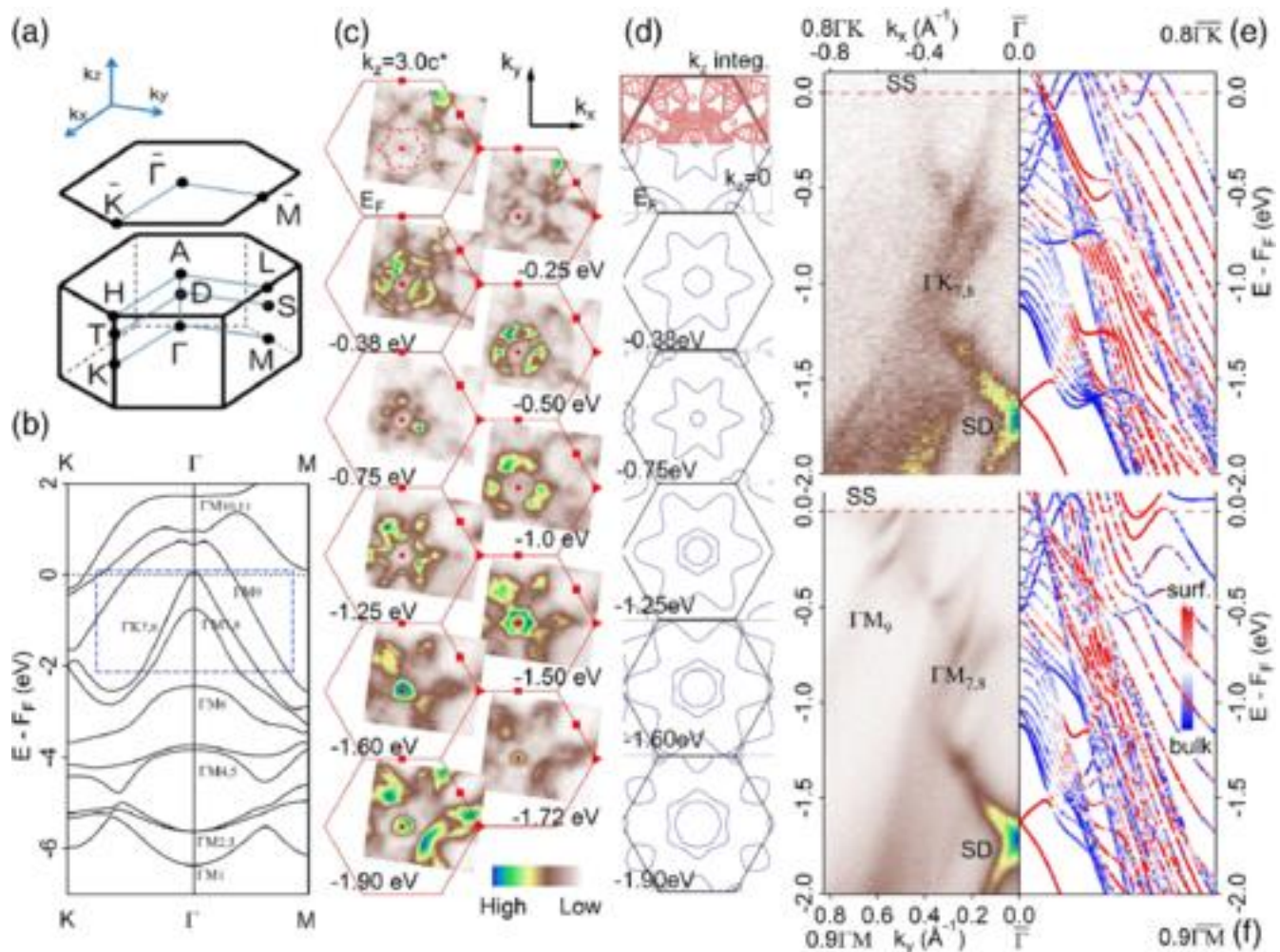


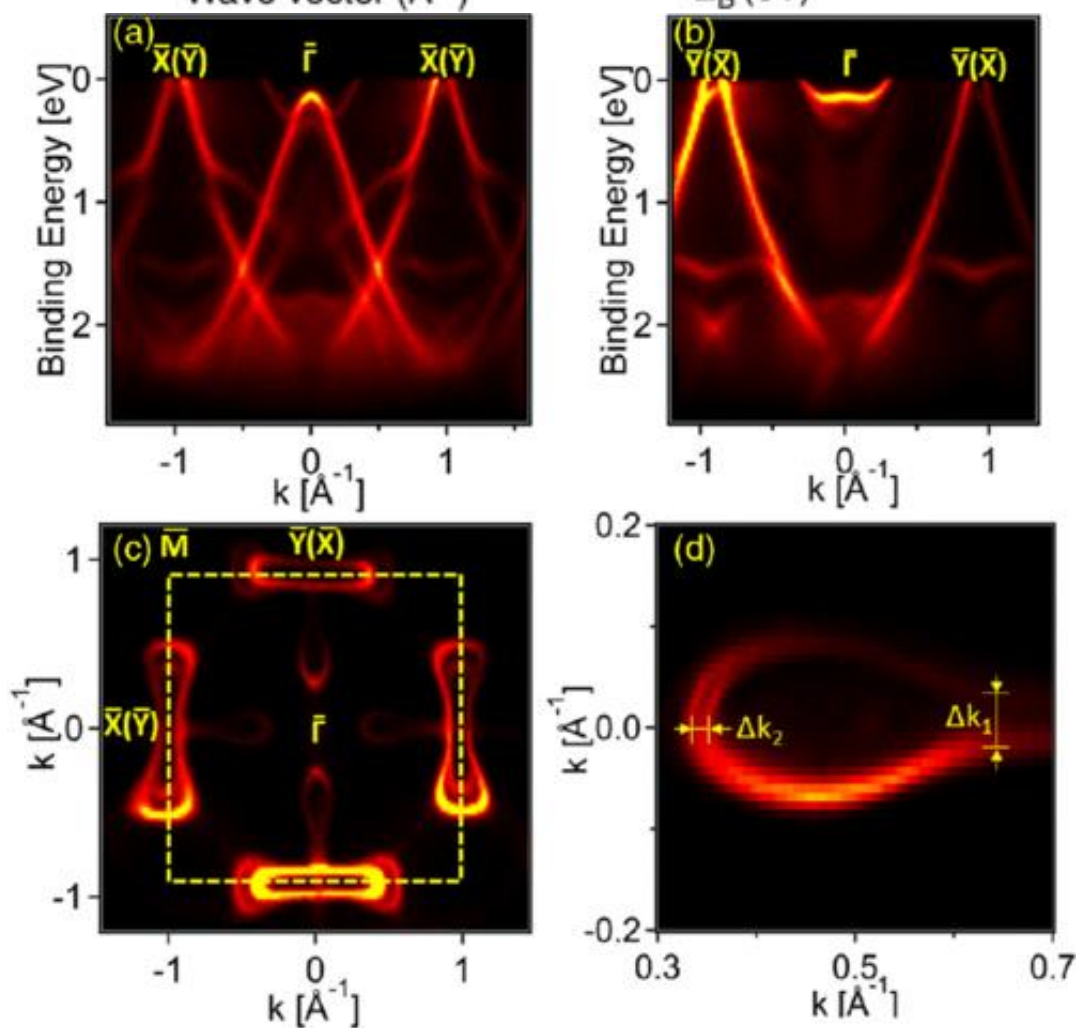
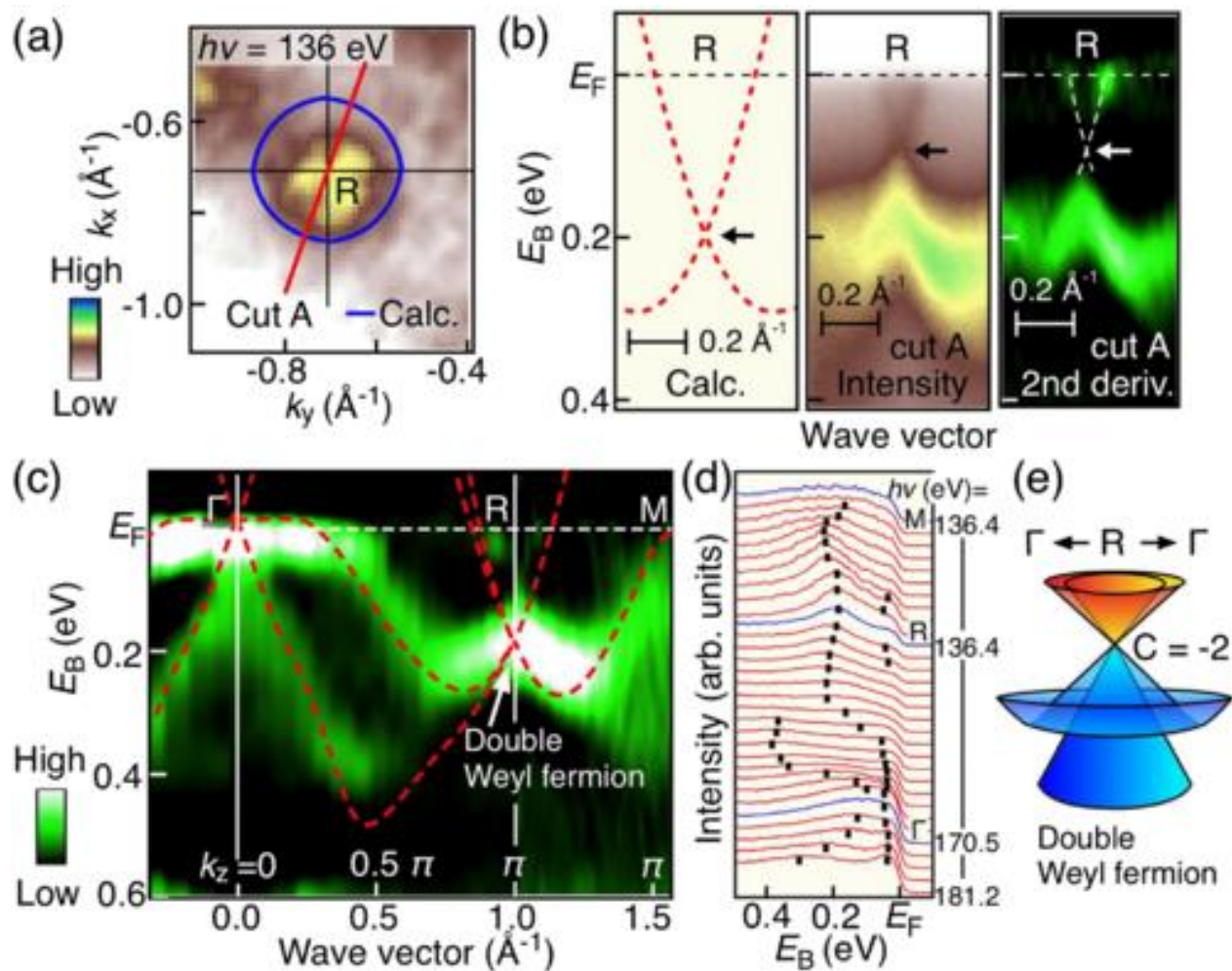


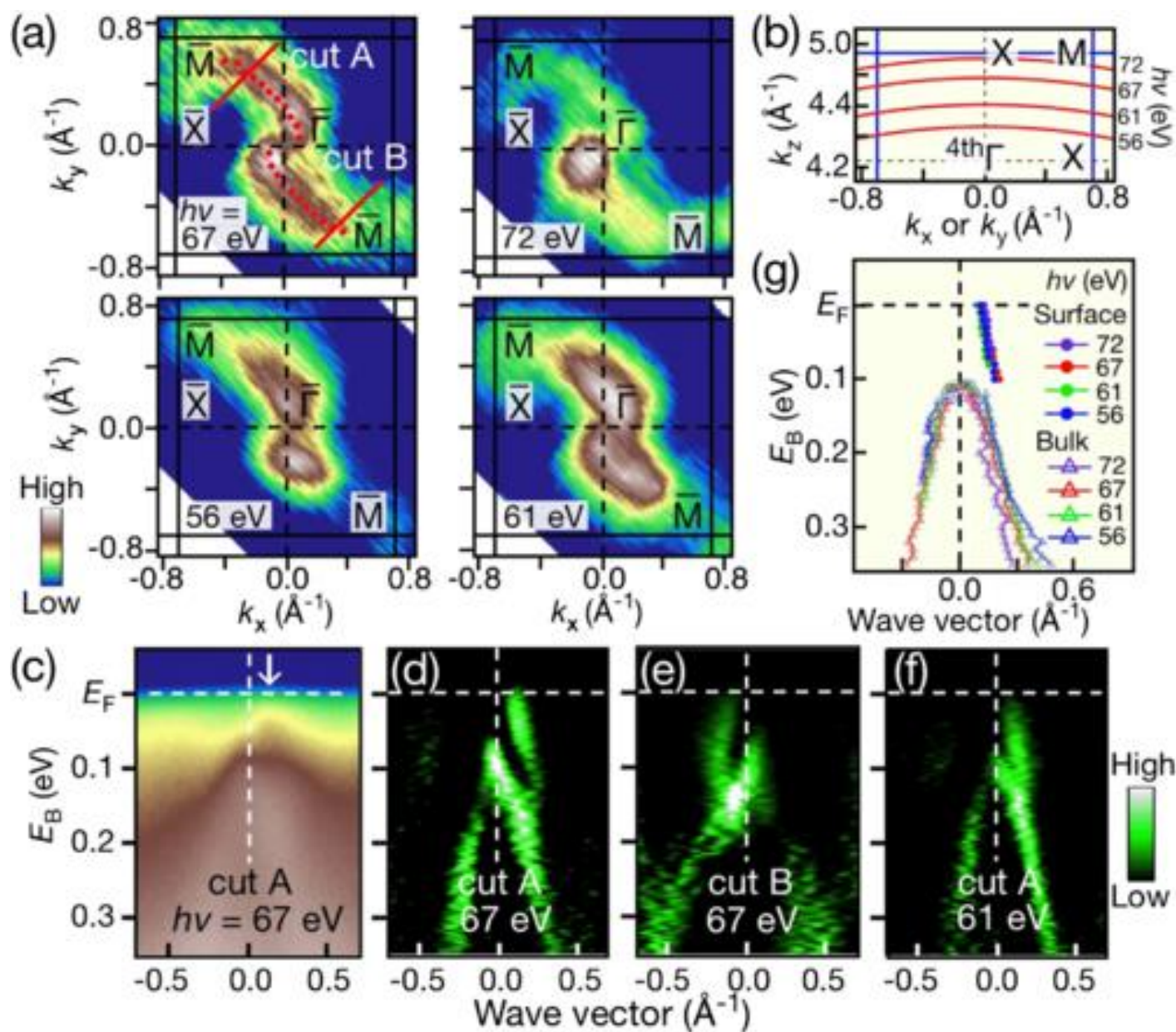
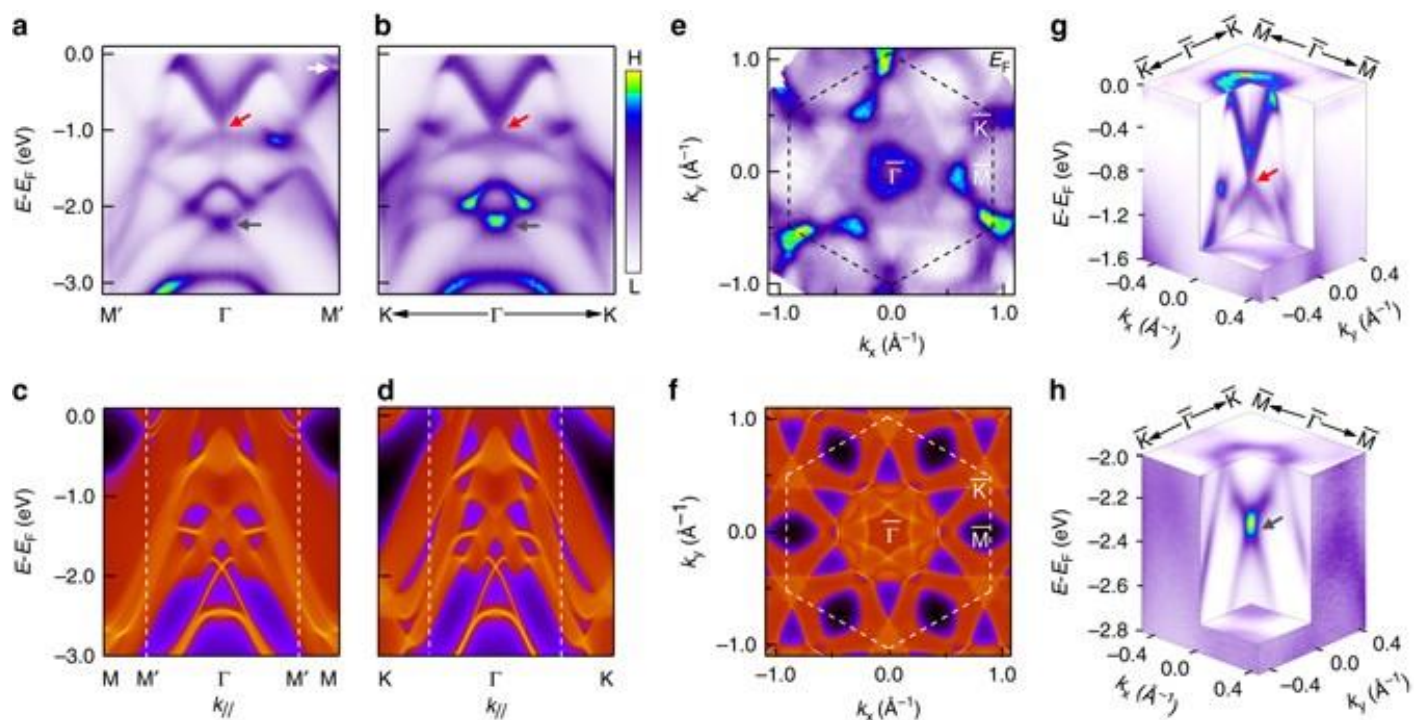


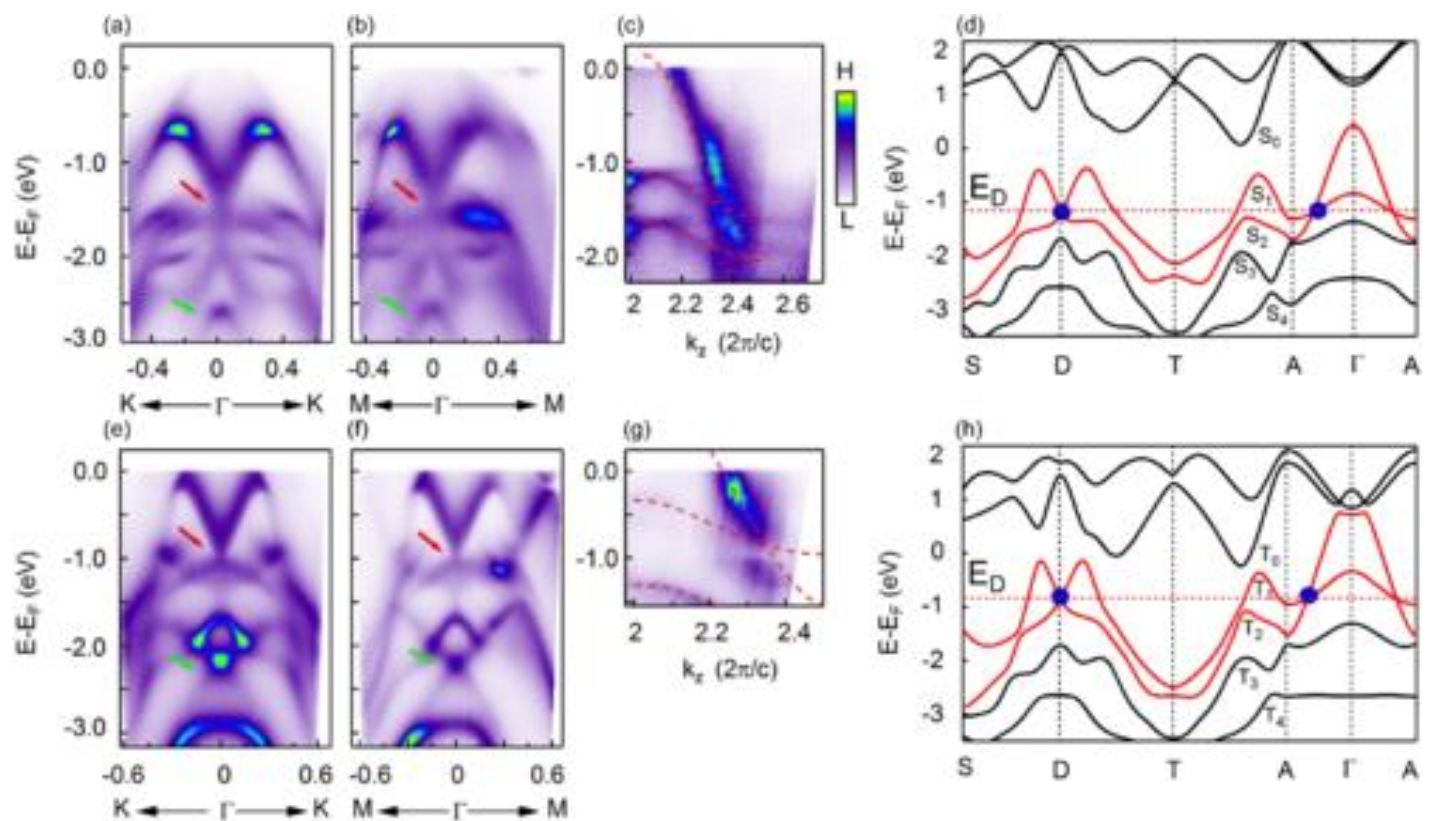
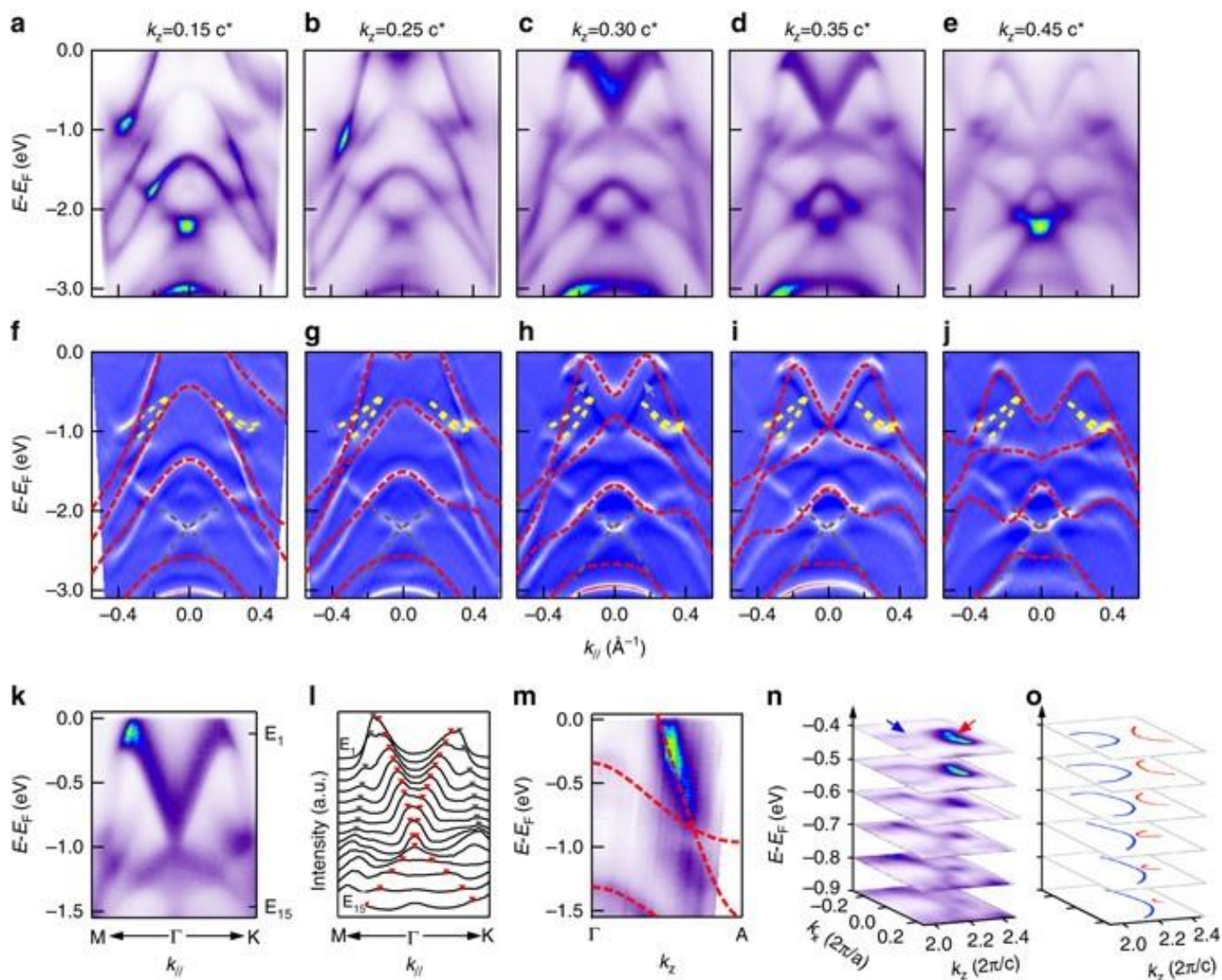


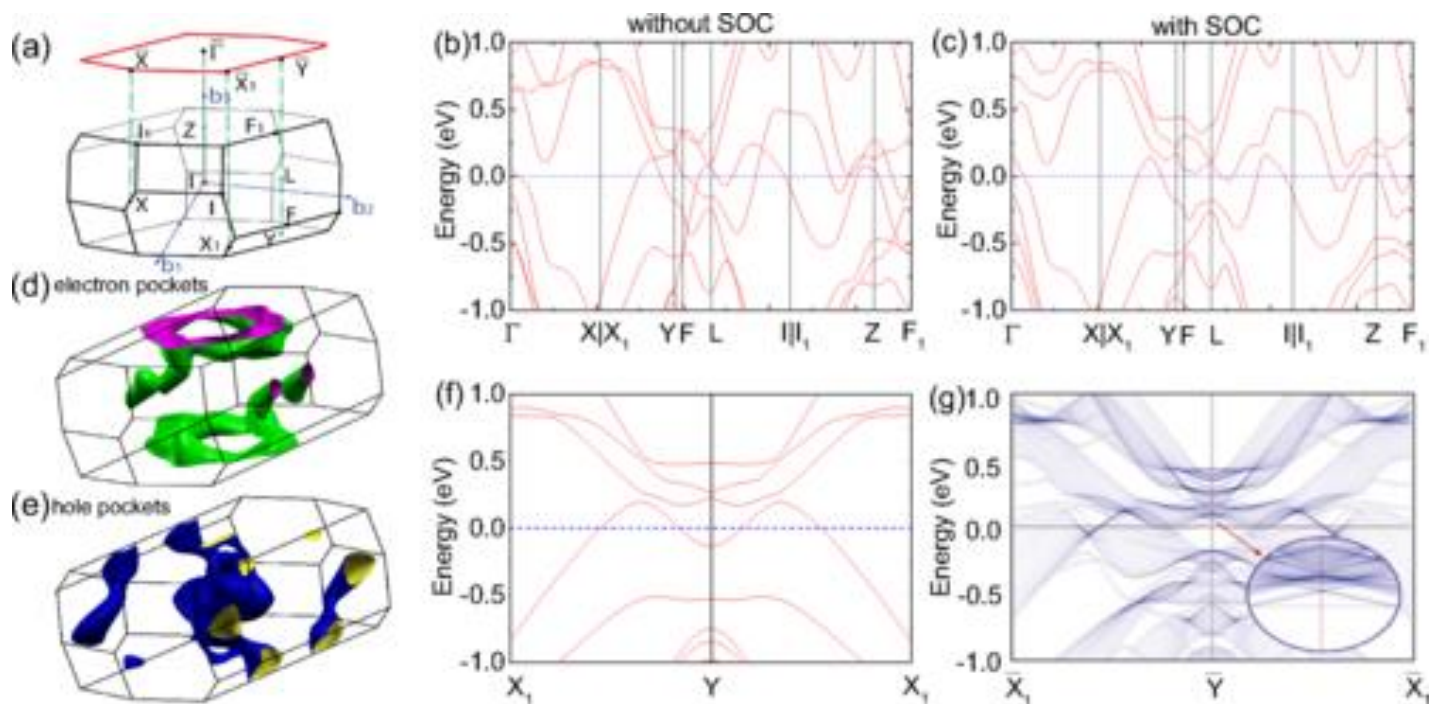
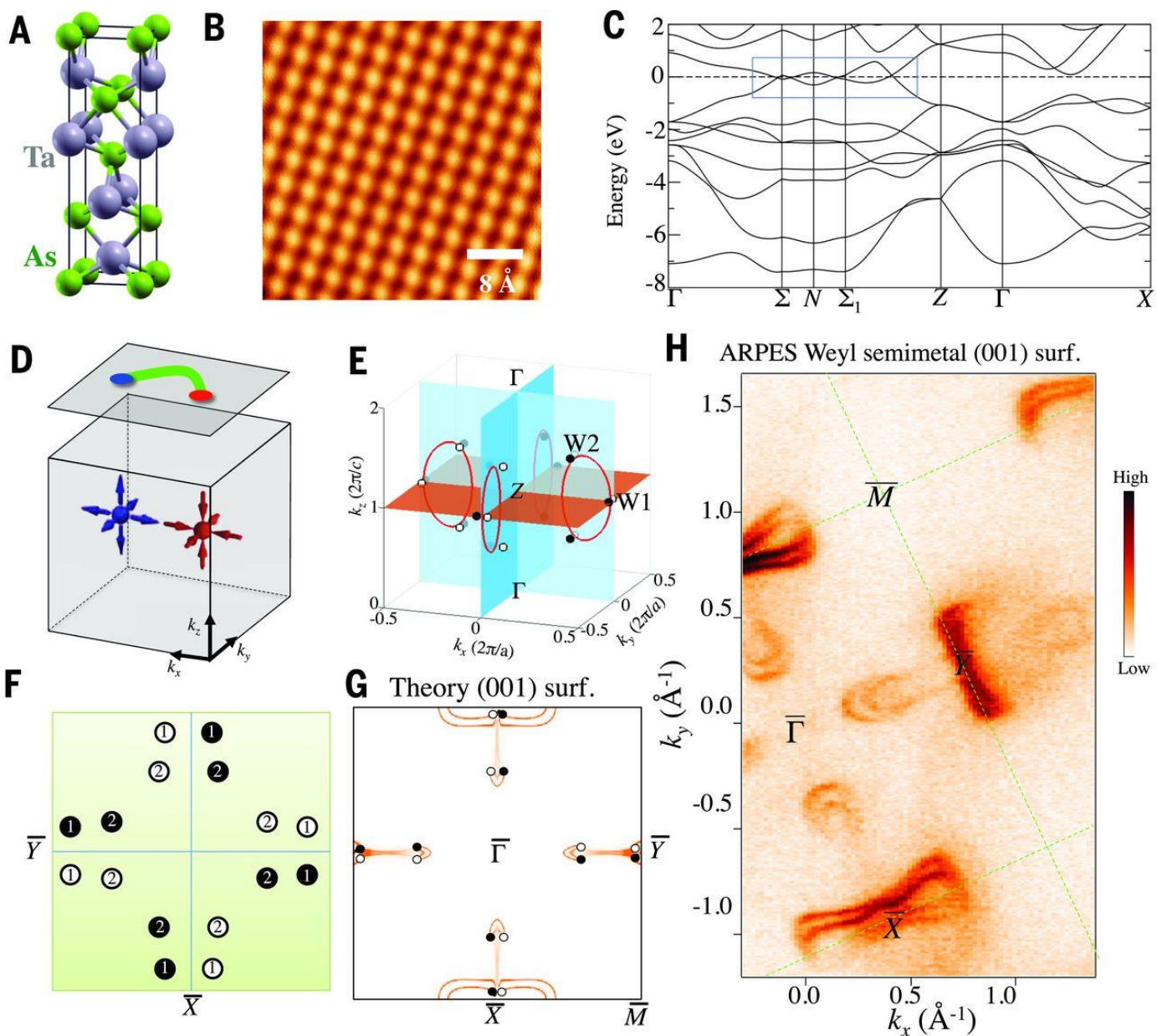


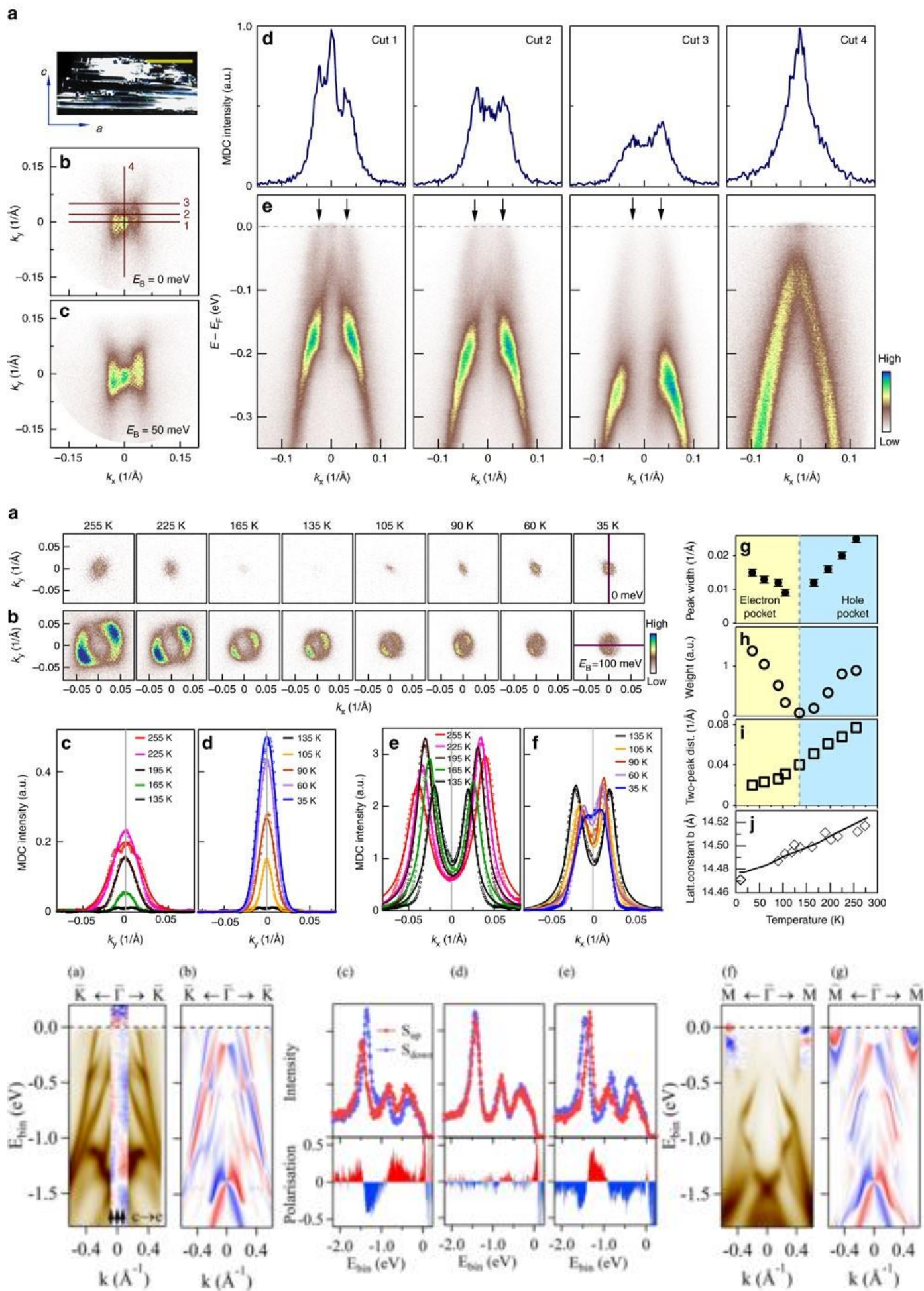


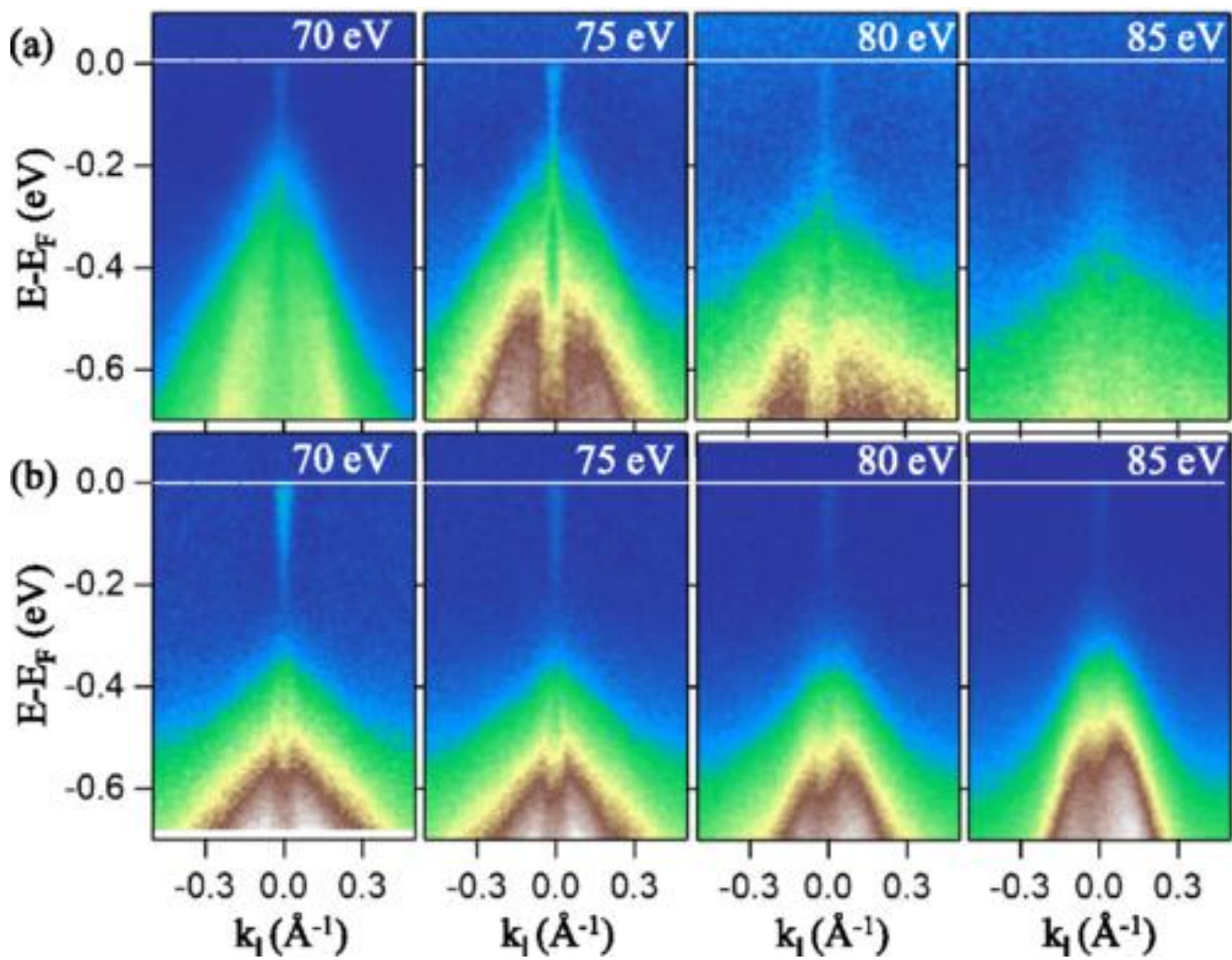
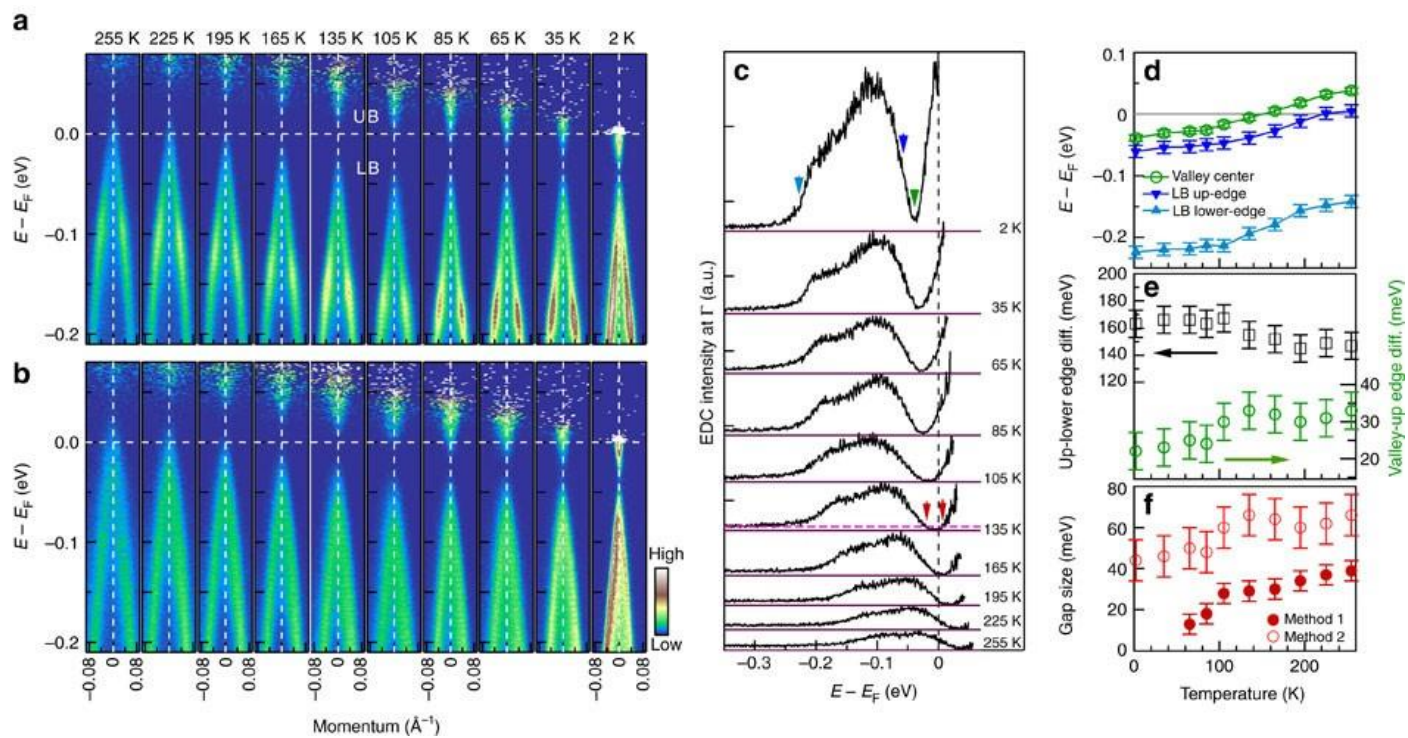


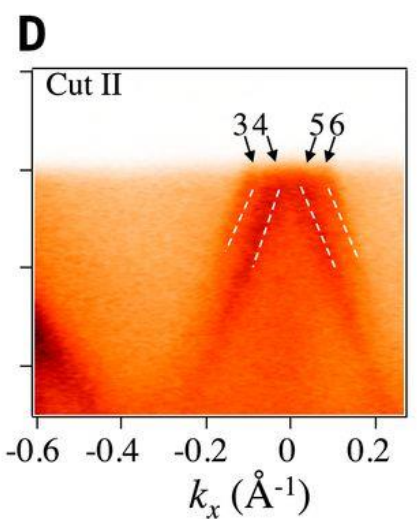
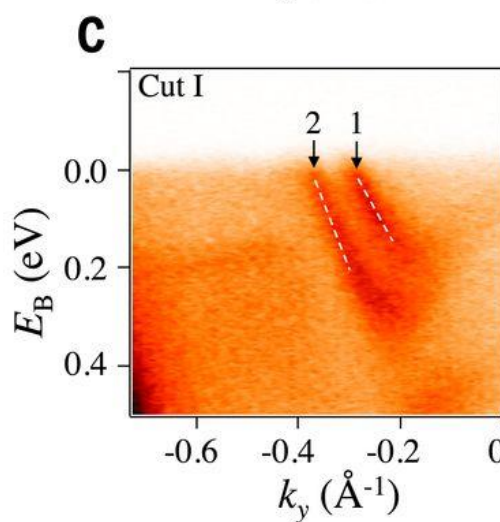
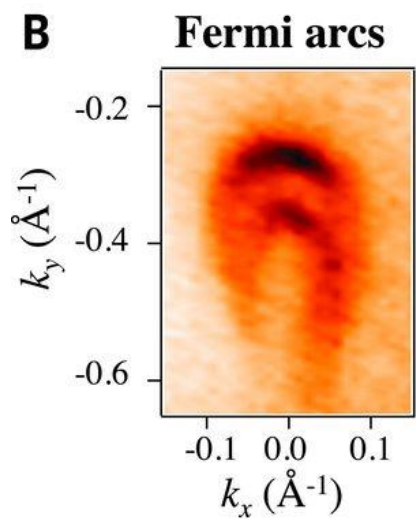
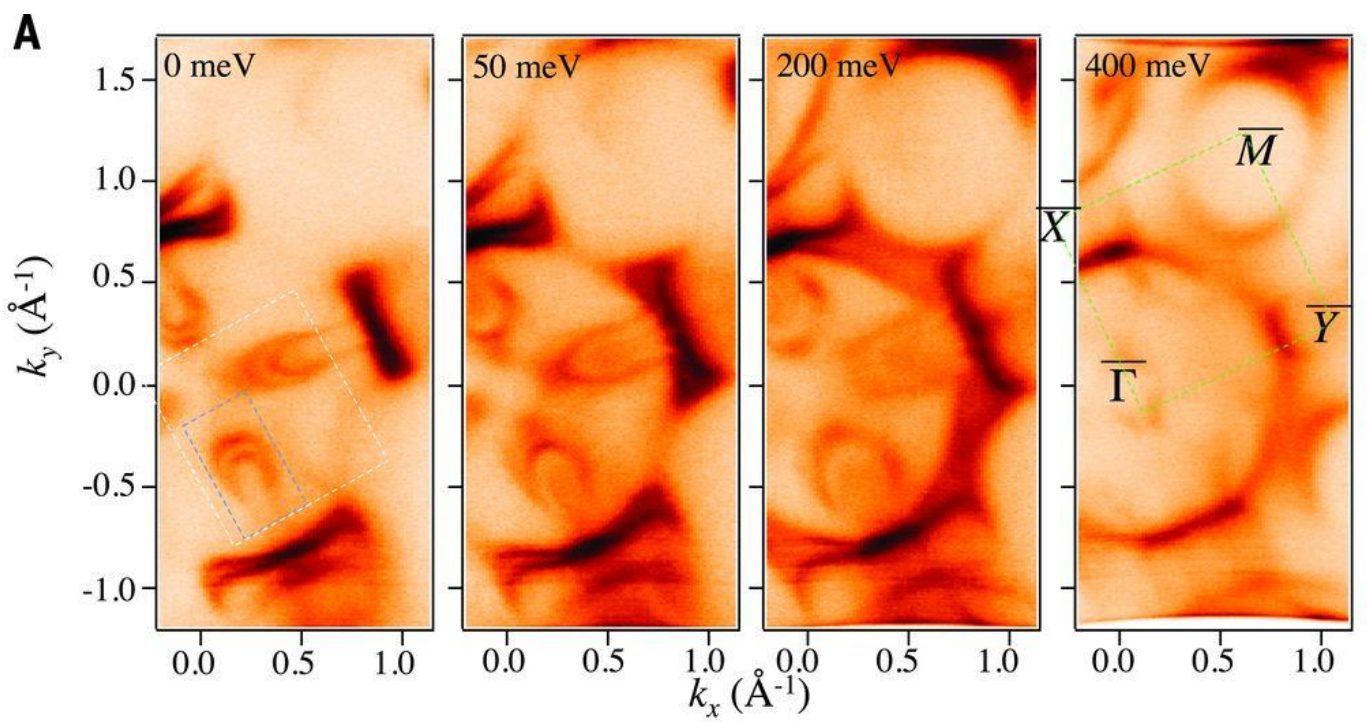




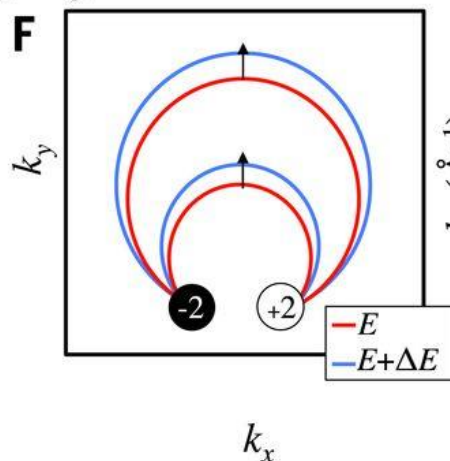
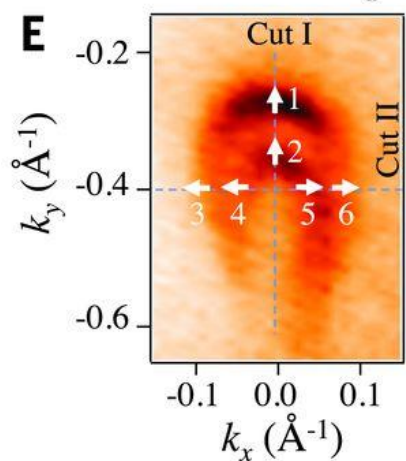




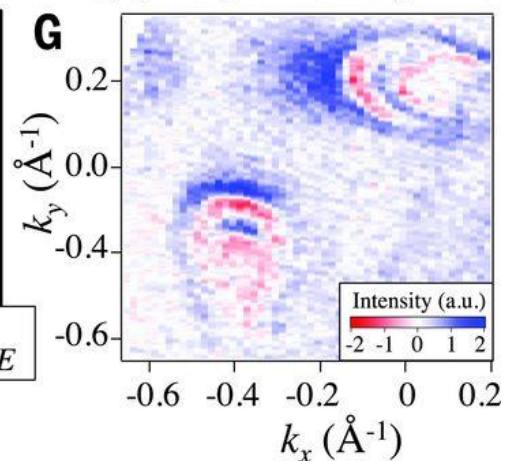


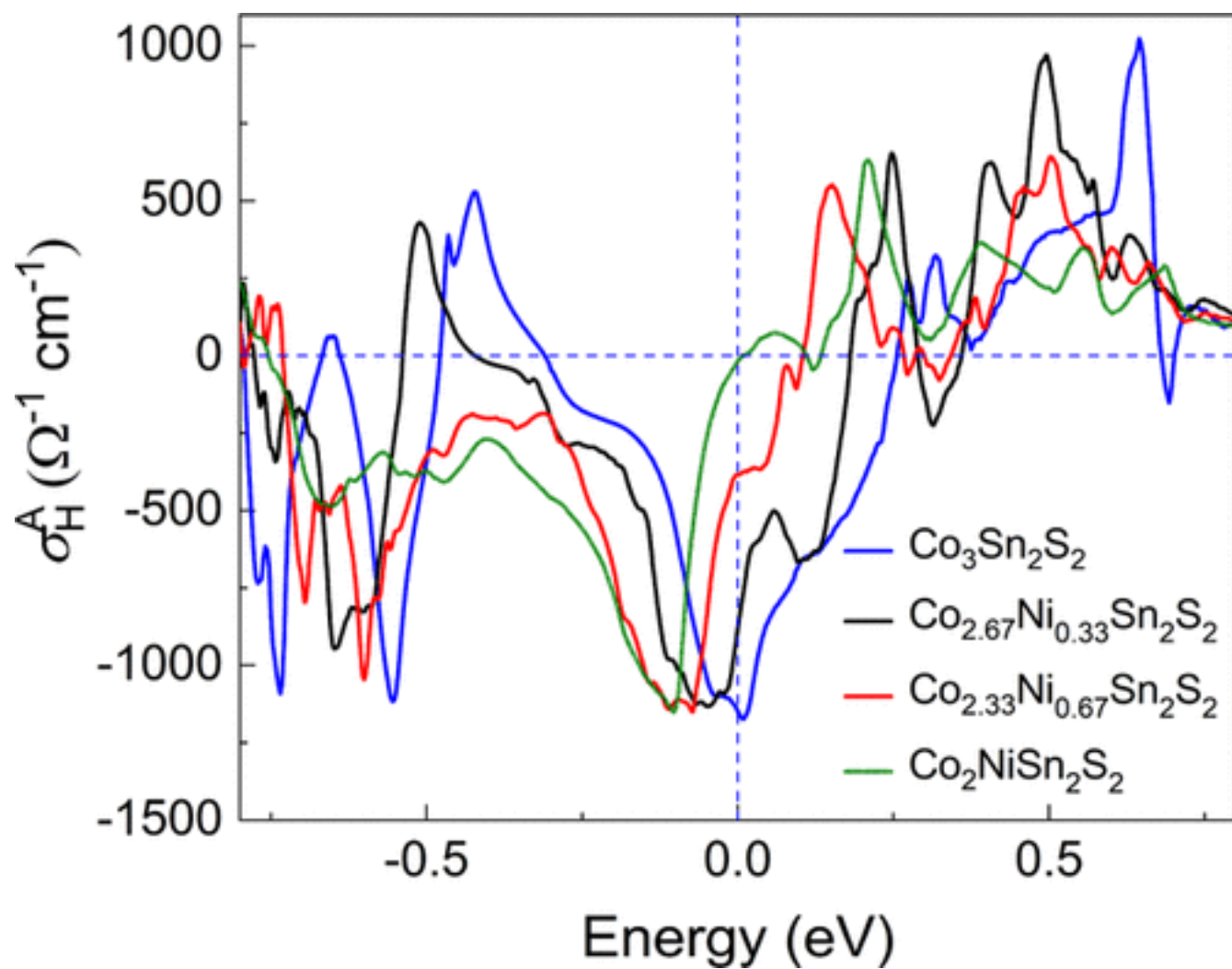
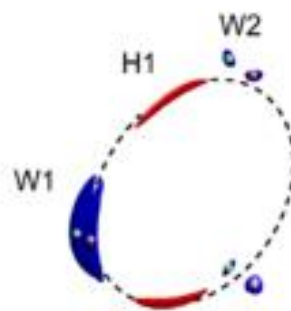
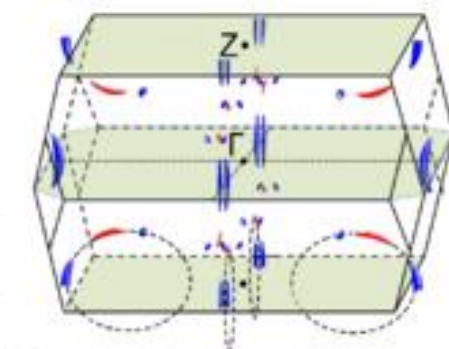
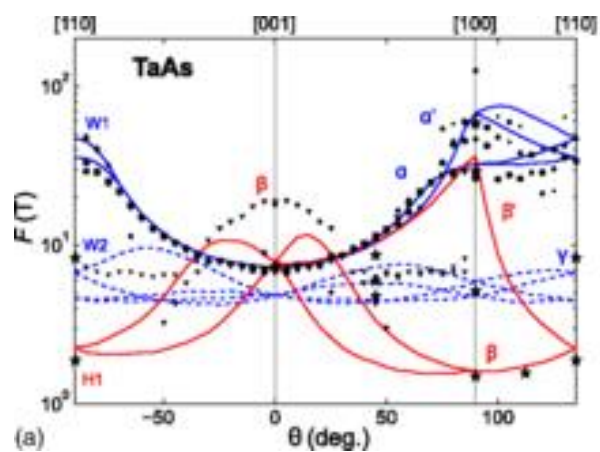


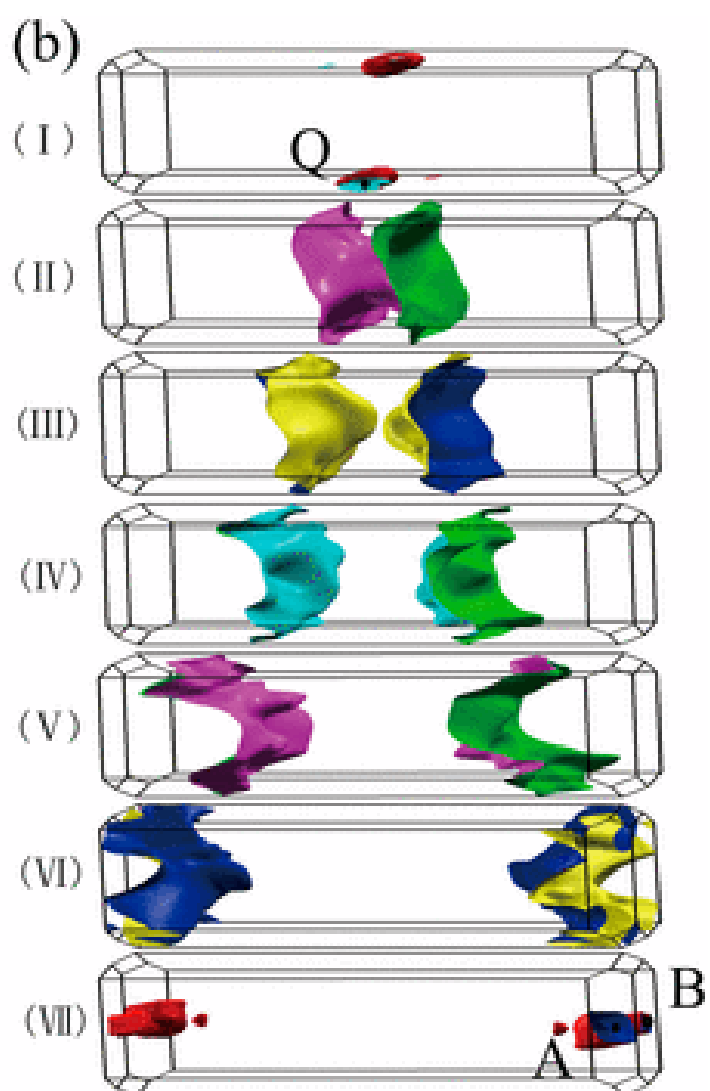
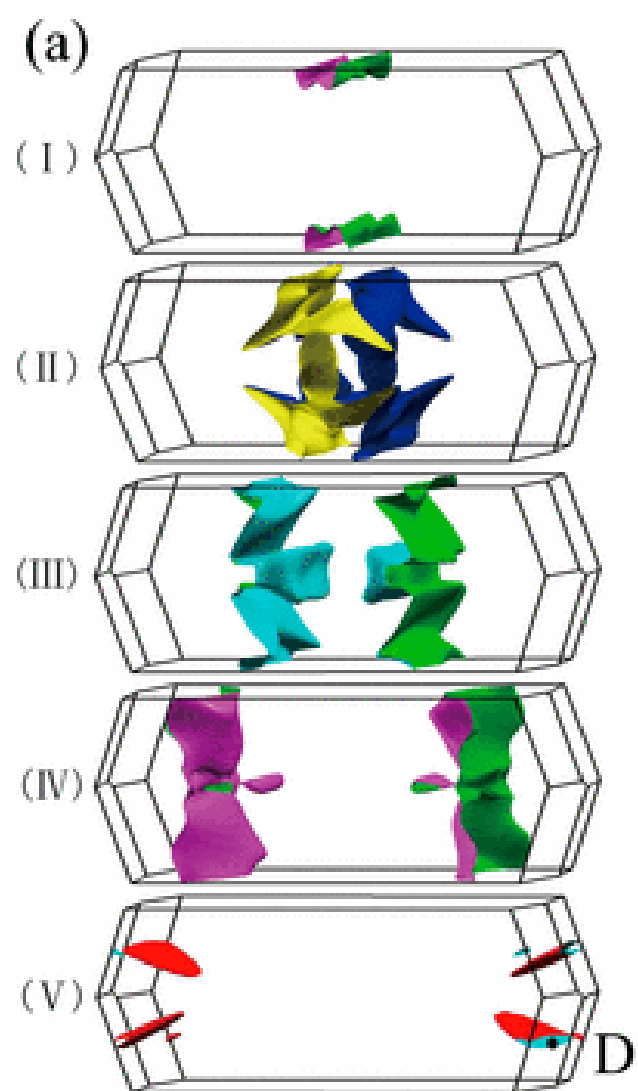
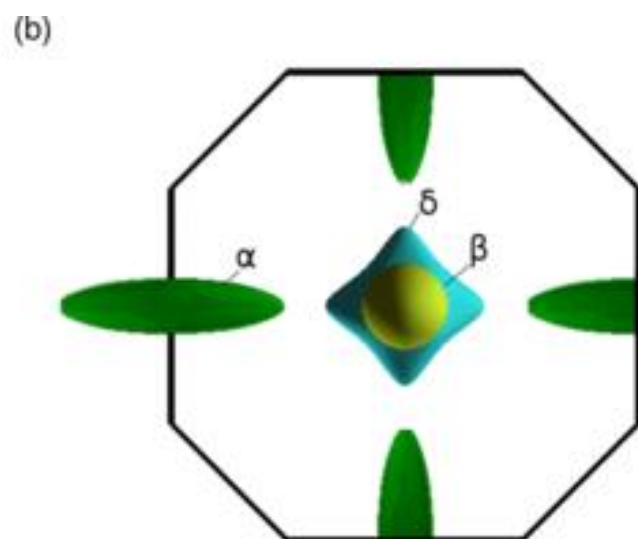
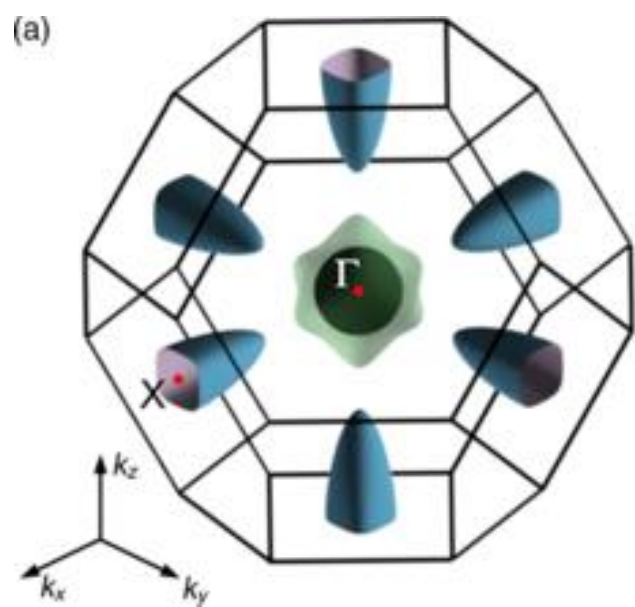
Co-propagating Fermi arcs

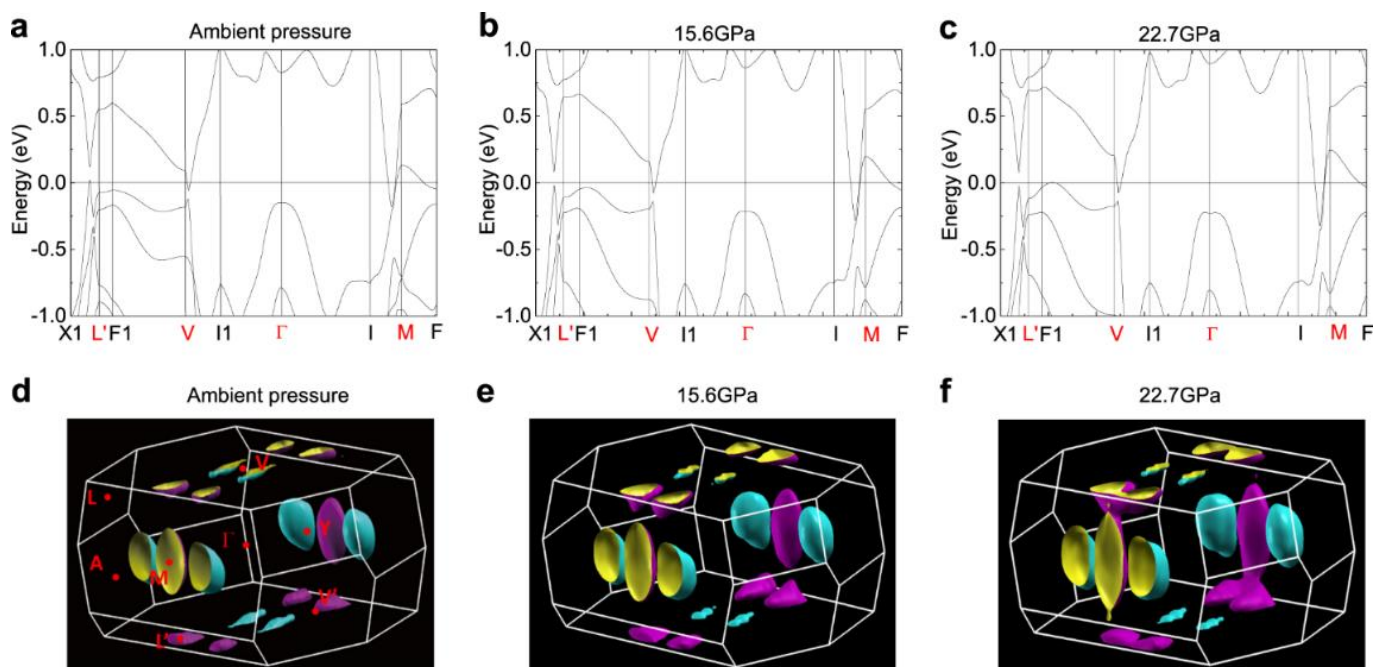
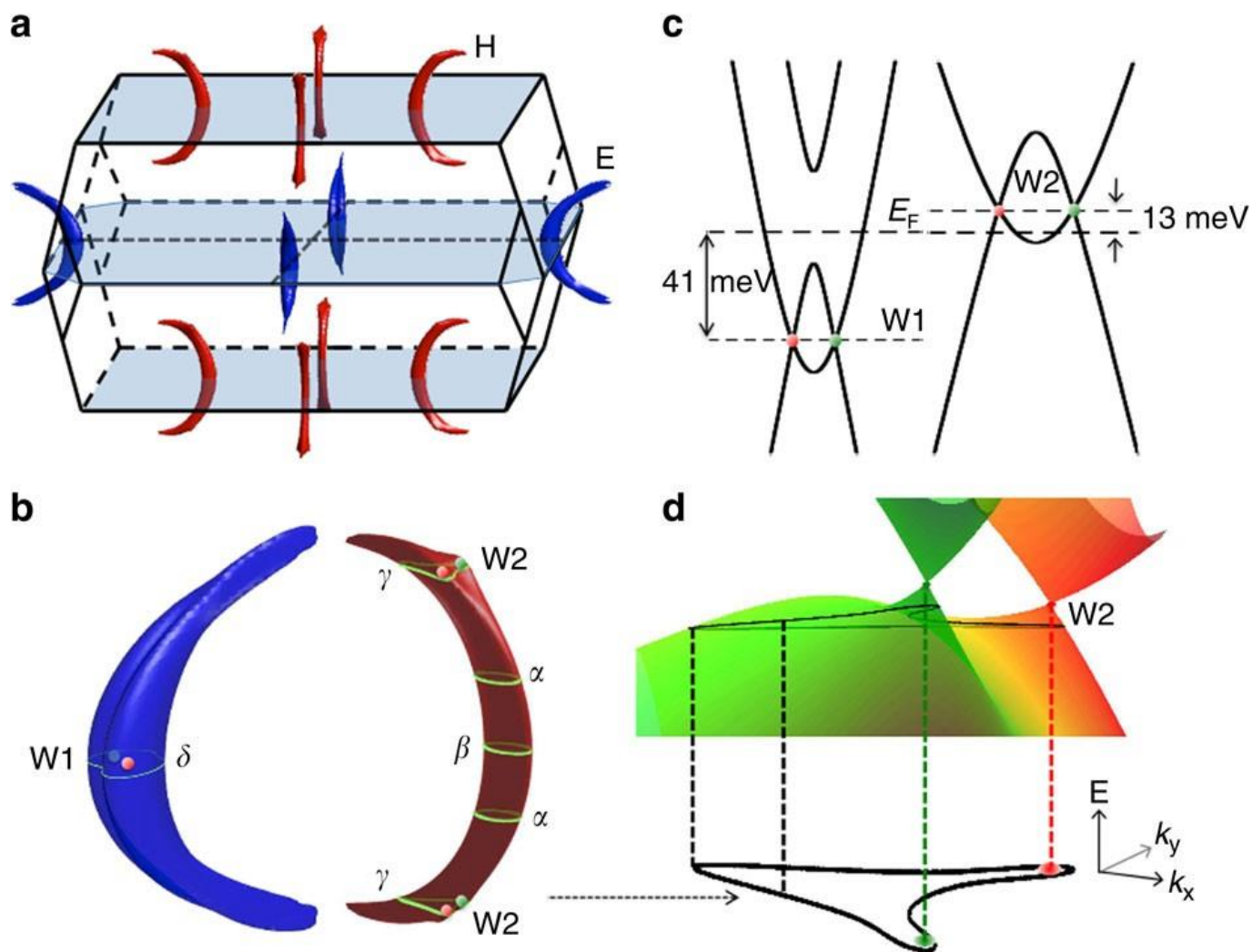


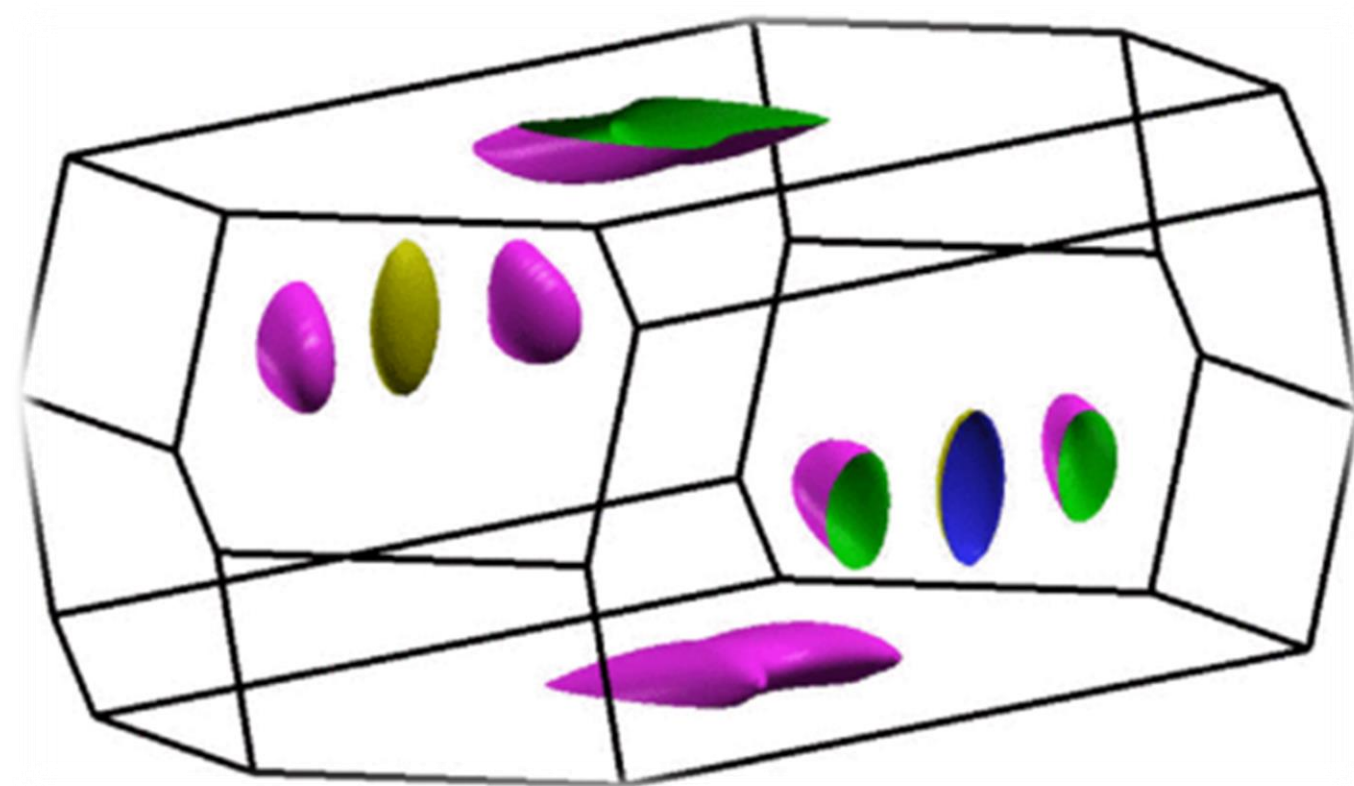
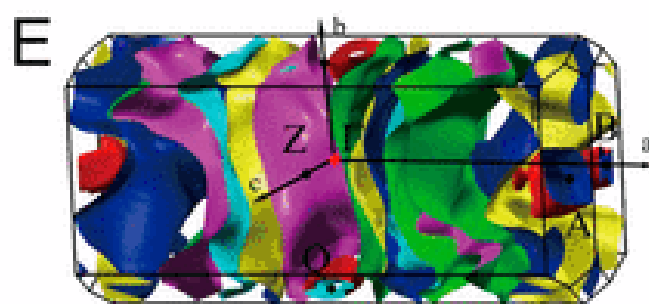
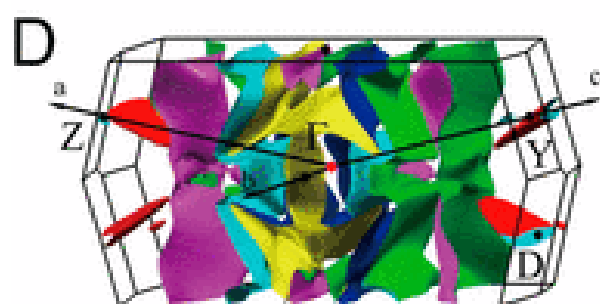
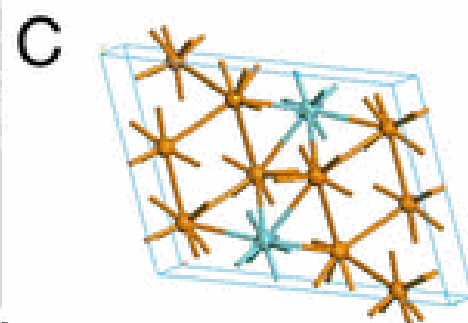
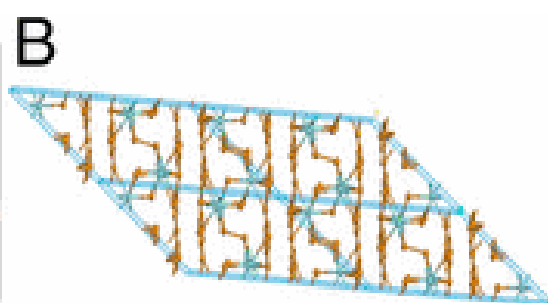
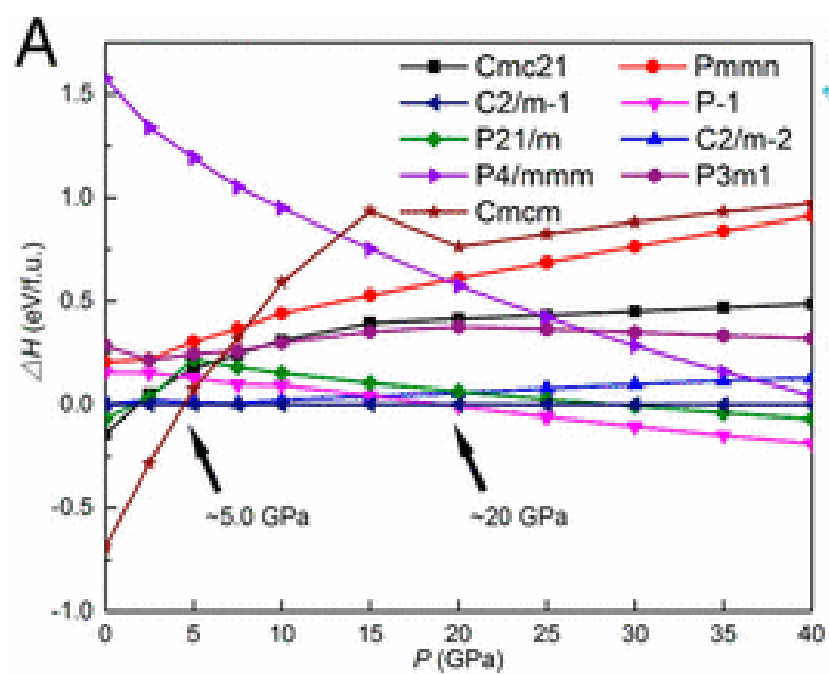
$$\Delta I(k_x, k_y) = I(E_B=20\text{meV}) - I(E_B=0\text{meV})$$

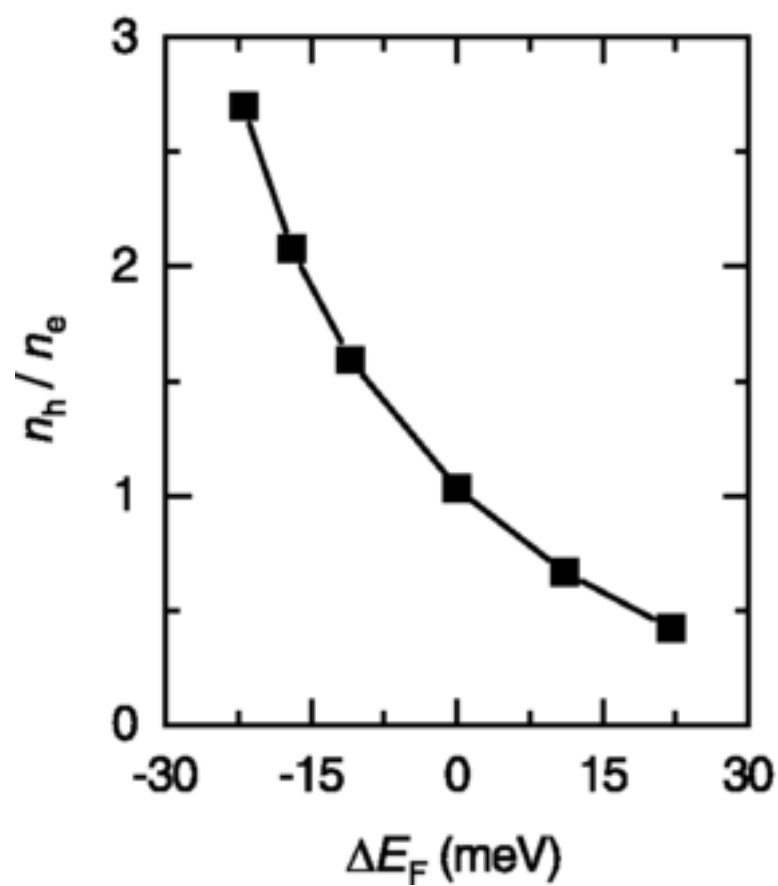
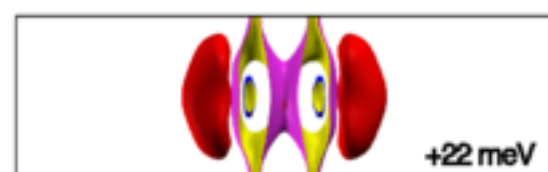
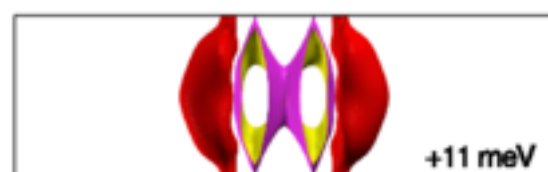
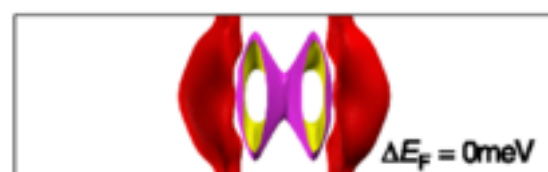
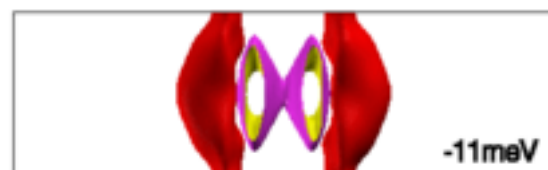
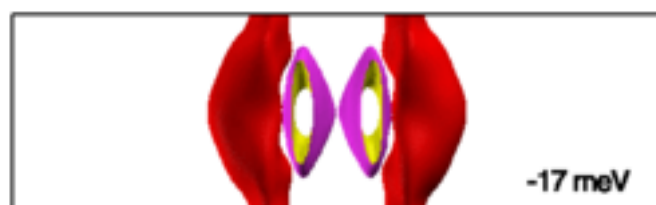
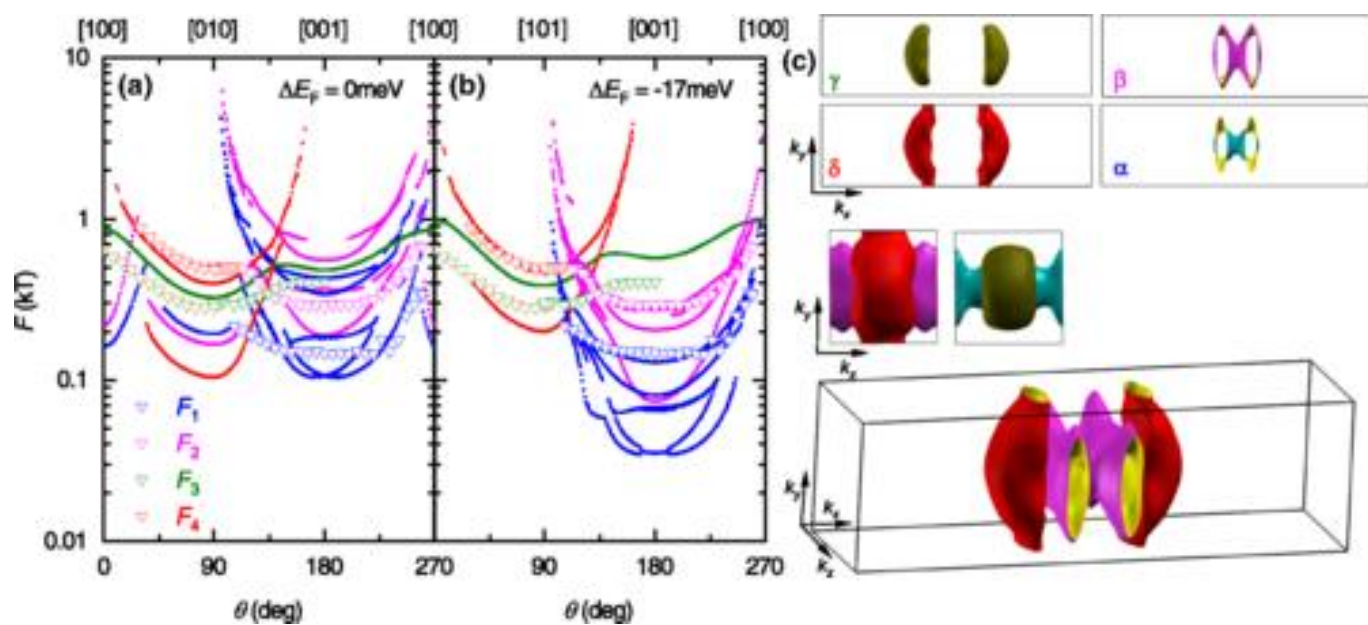


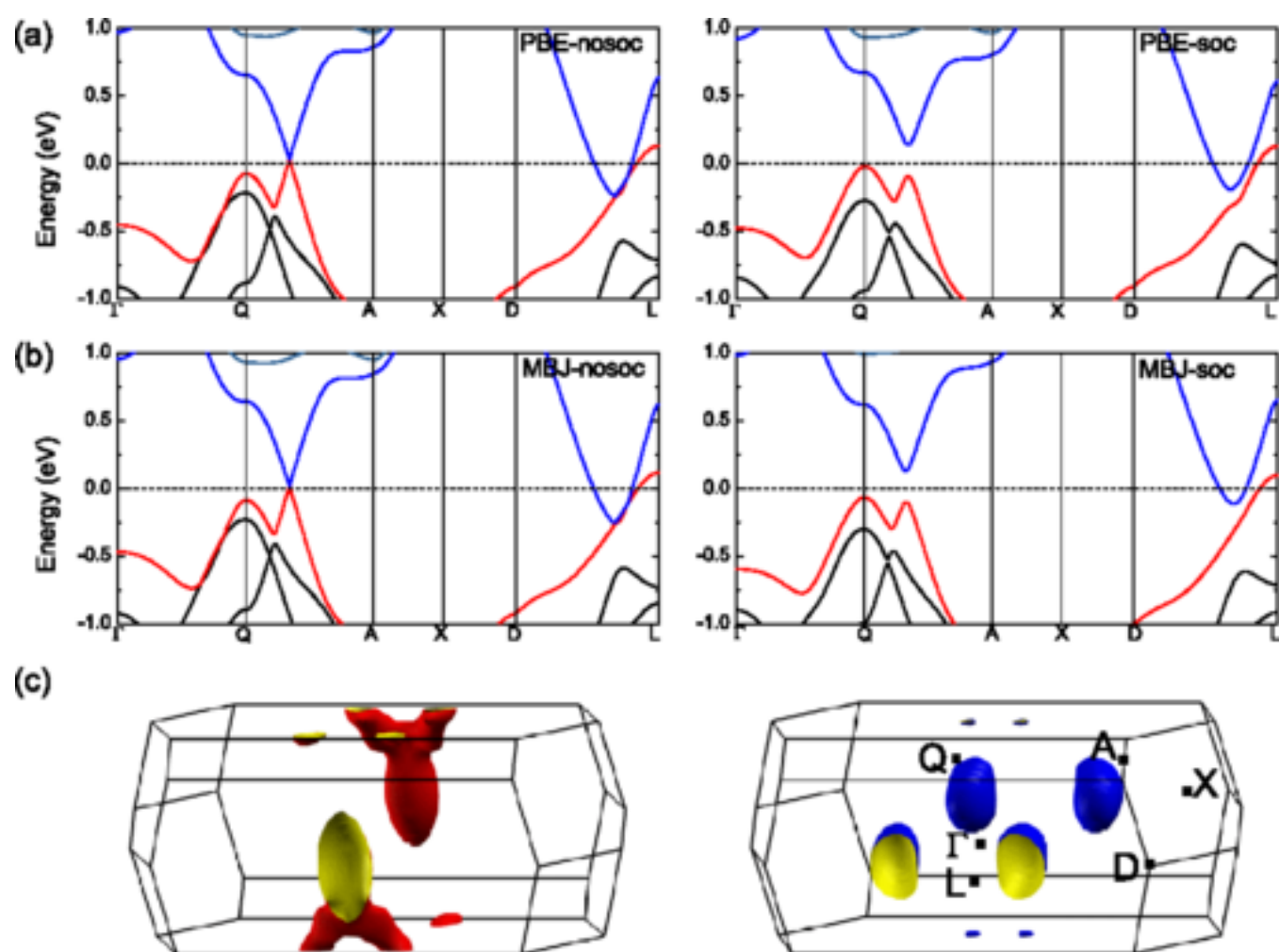
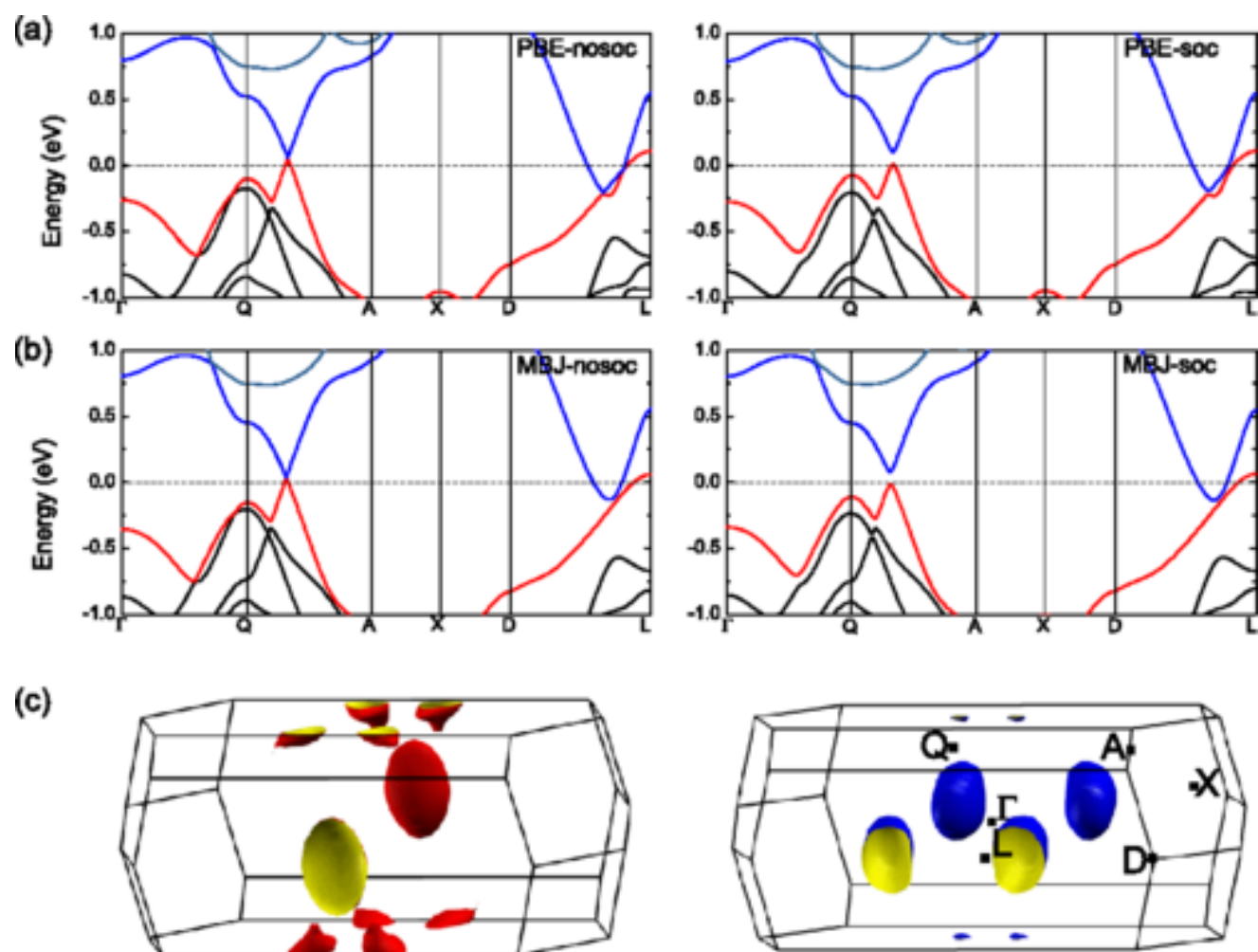


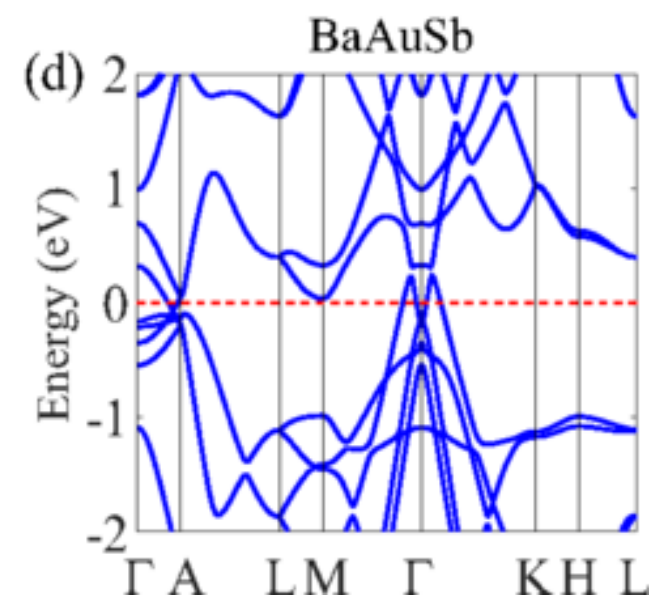
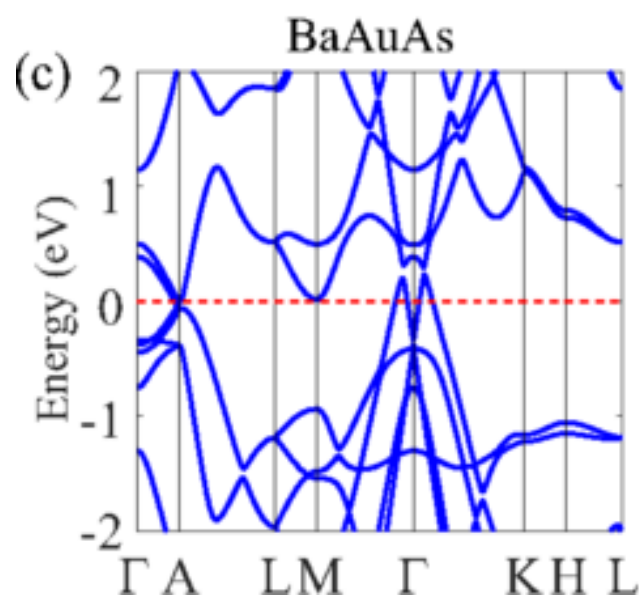
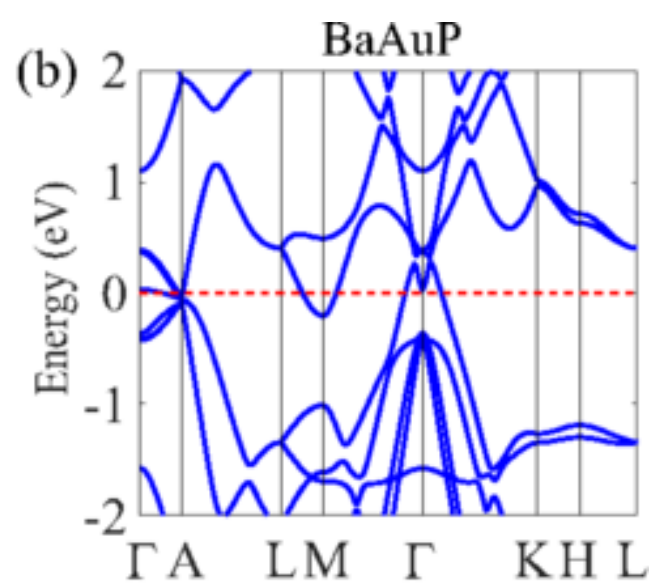
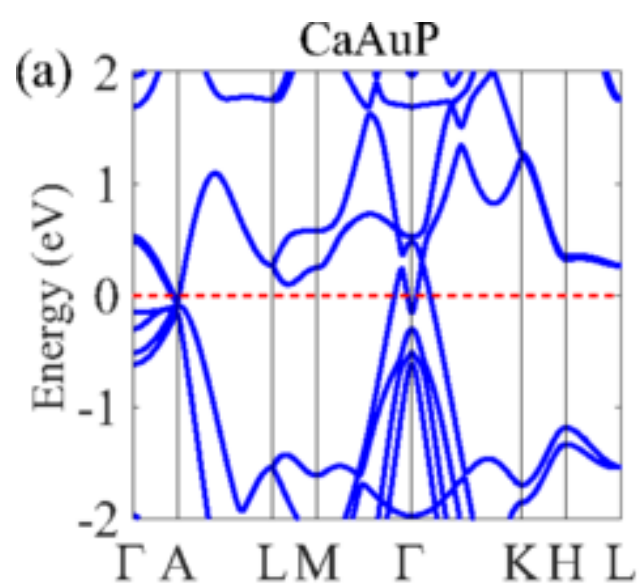
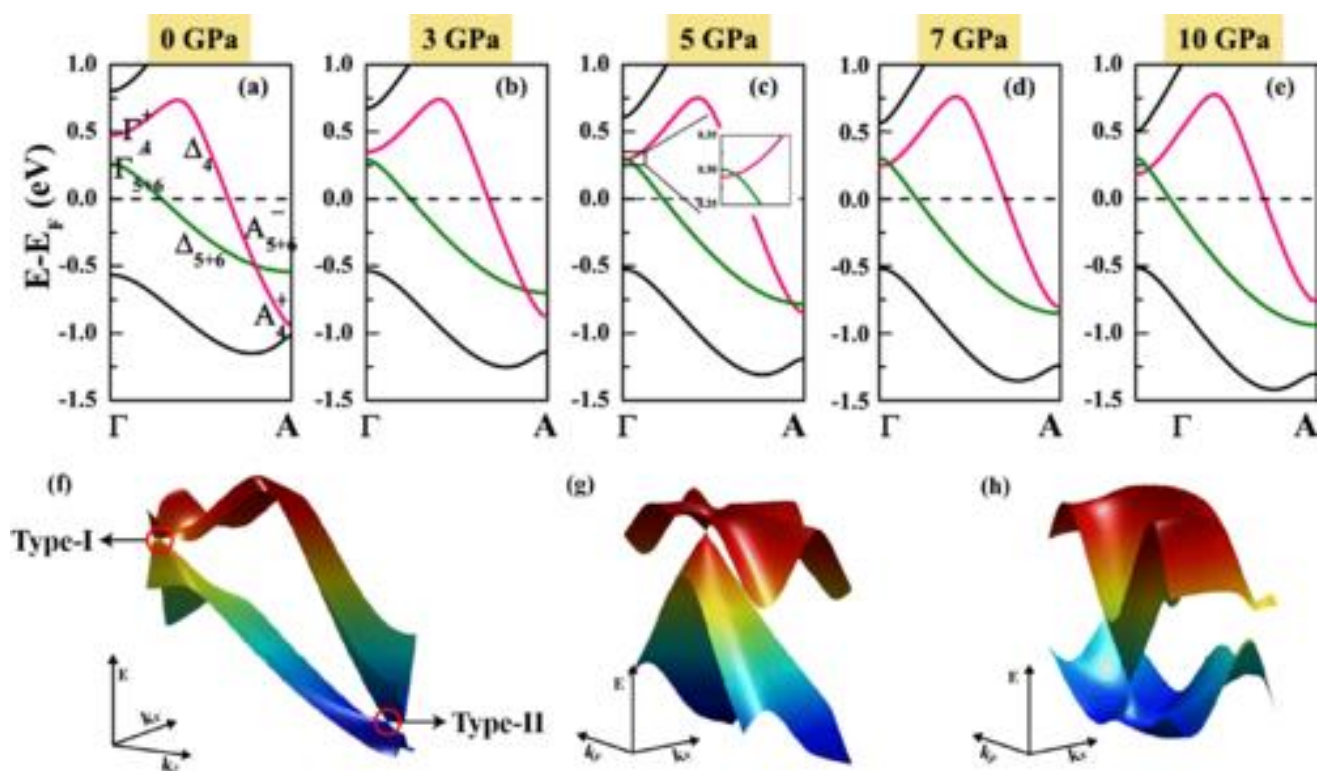


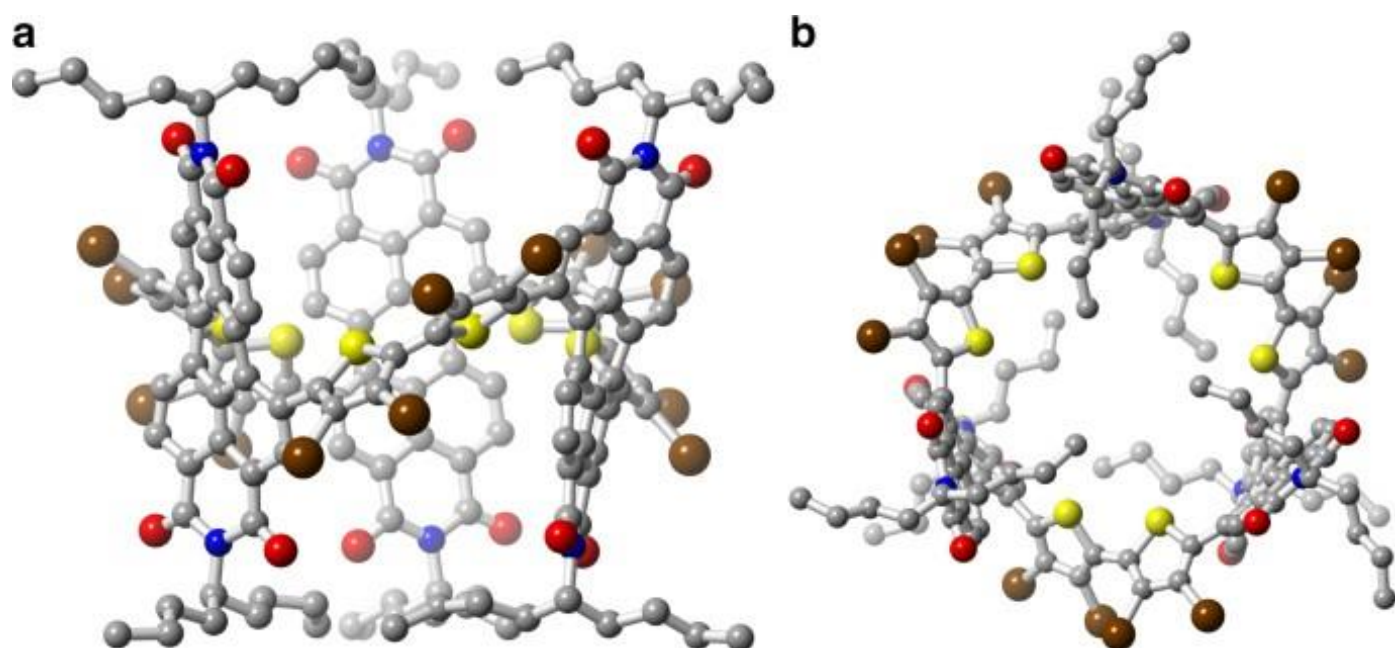
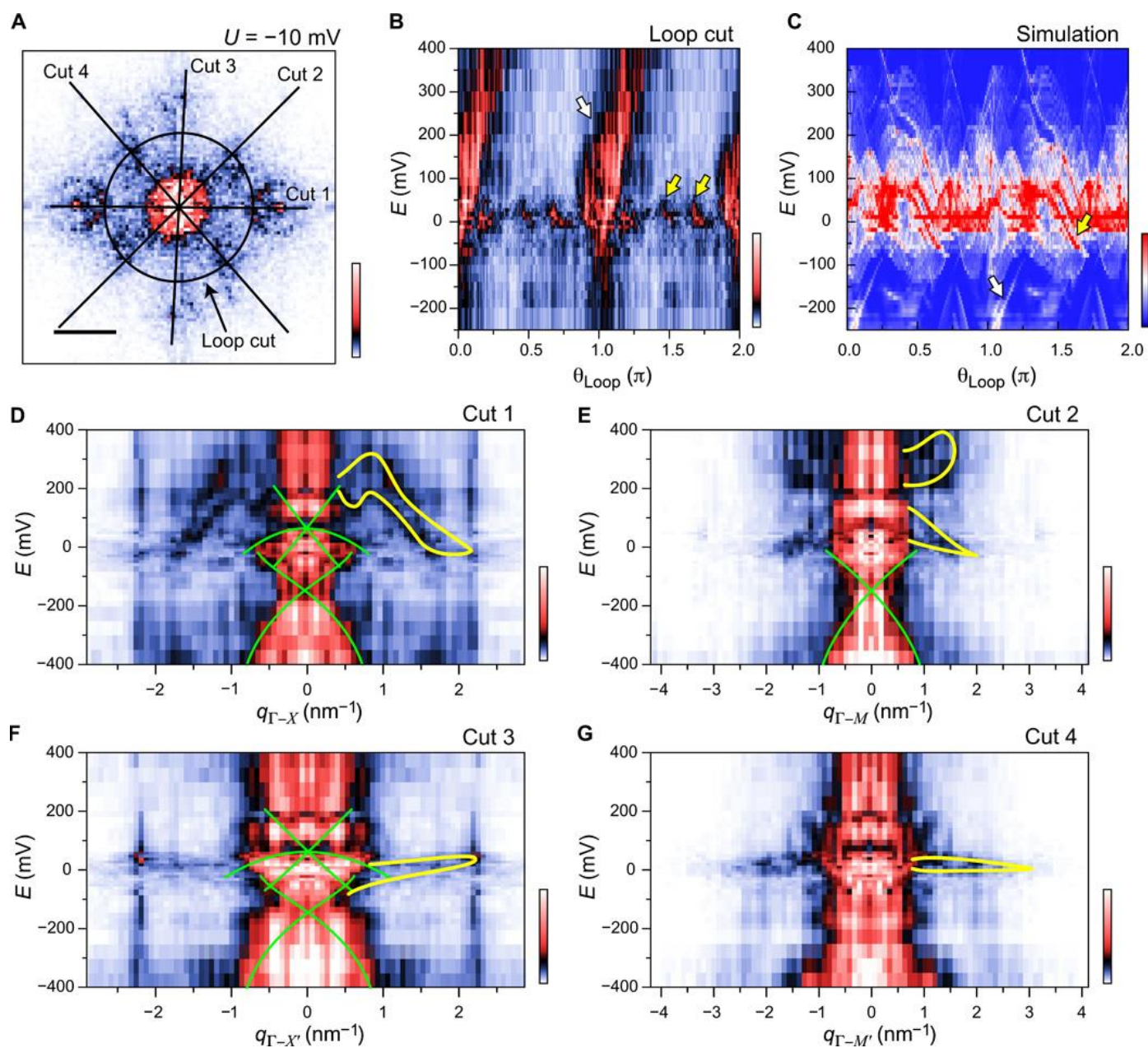


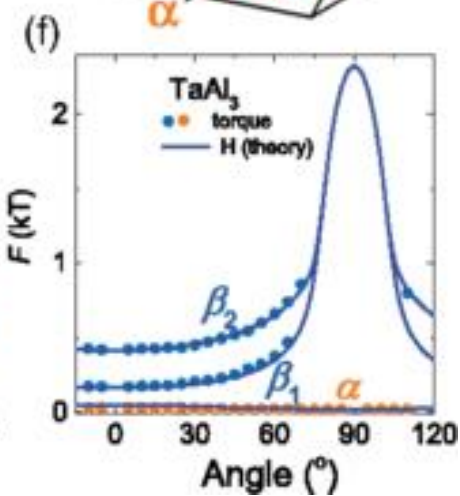
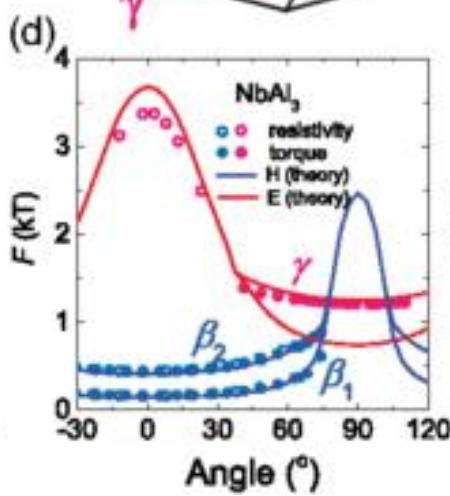
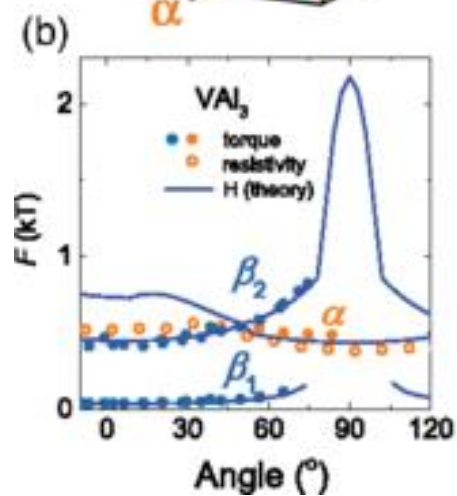
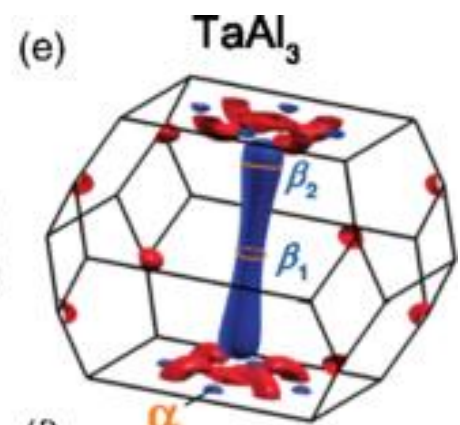
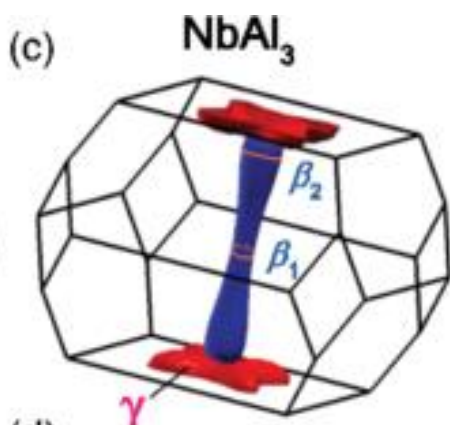
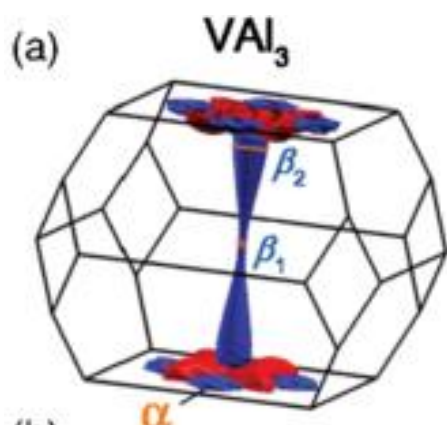
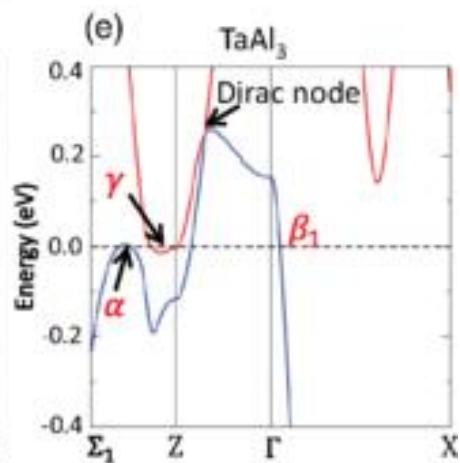
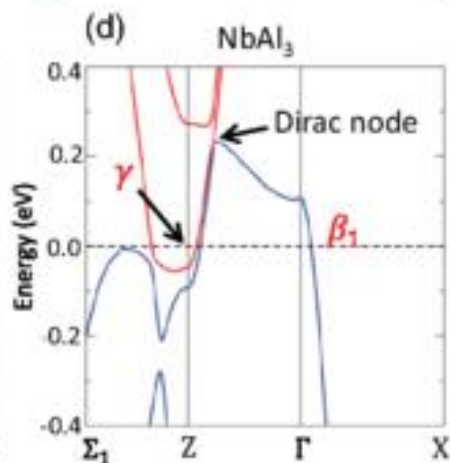
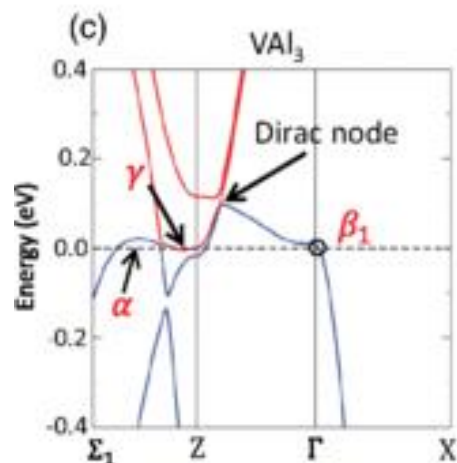
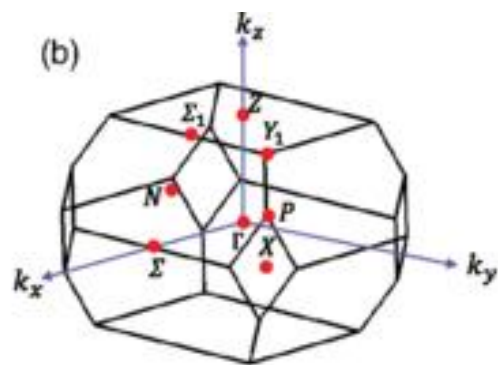
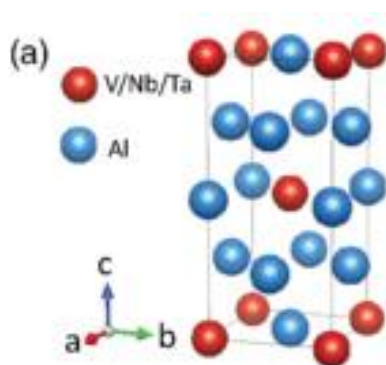


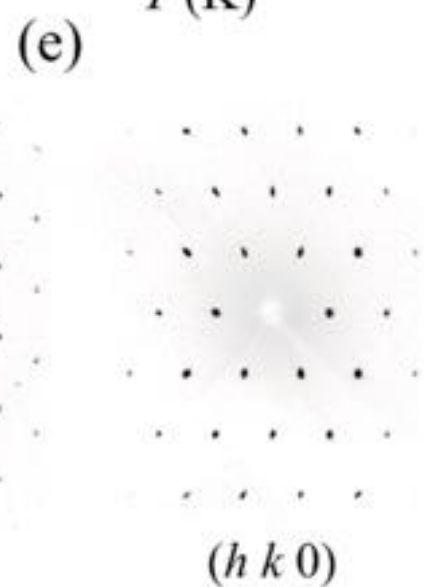
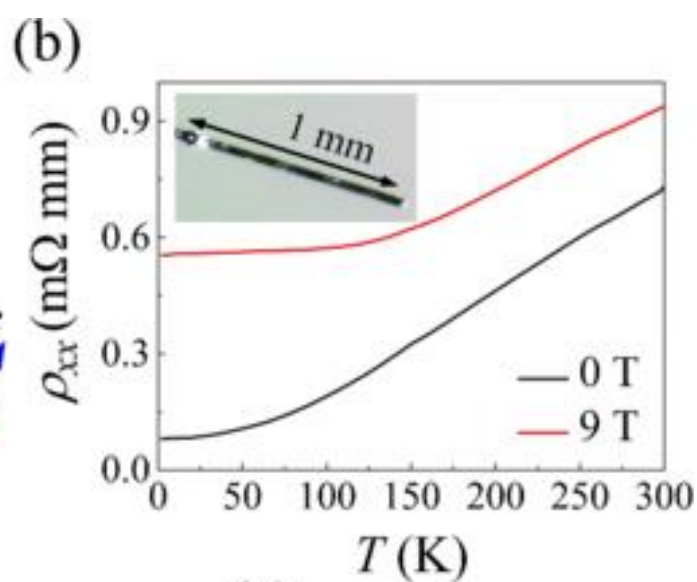
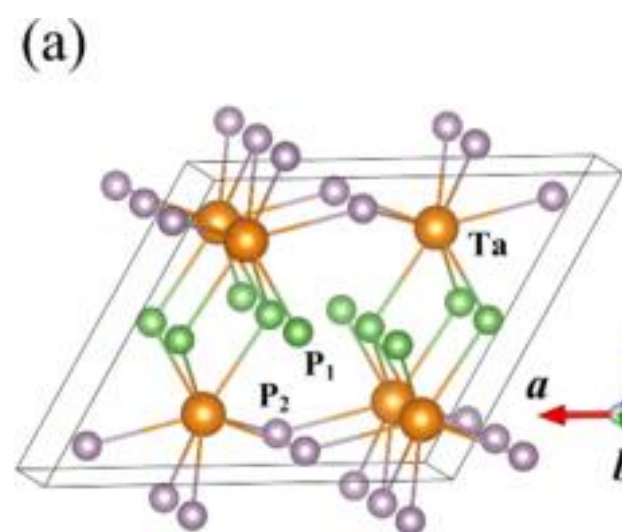
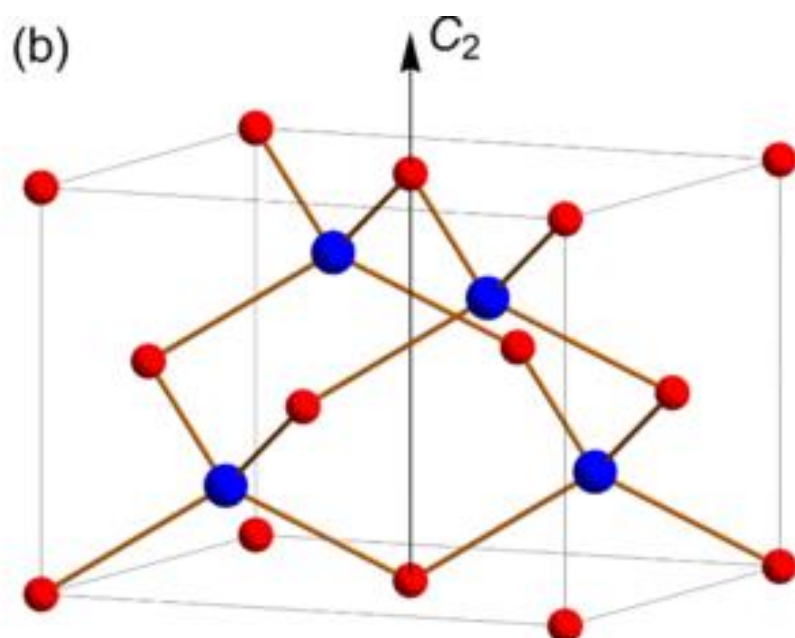
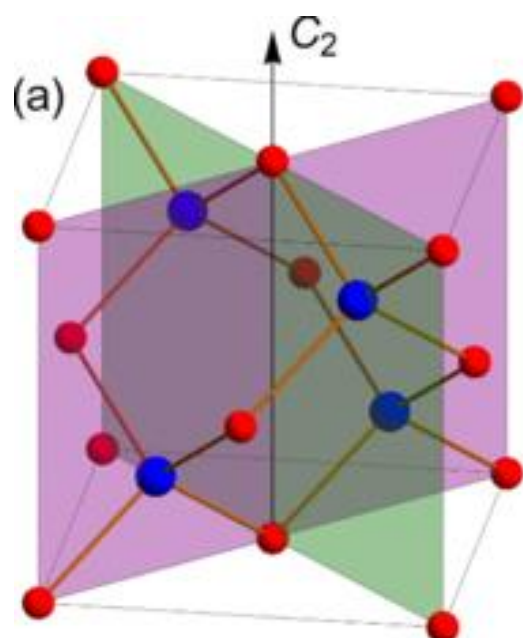


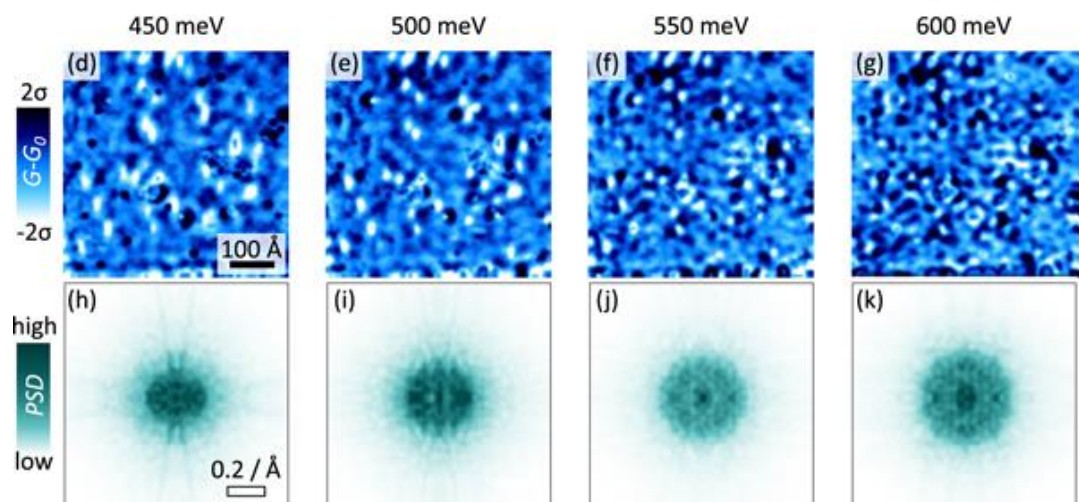
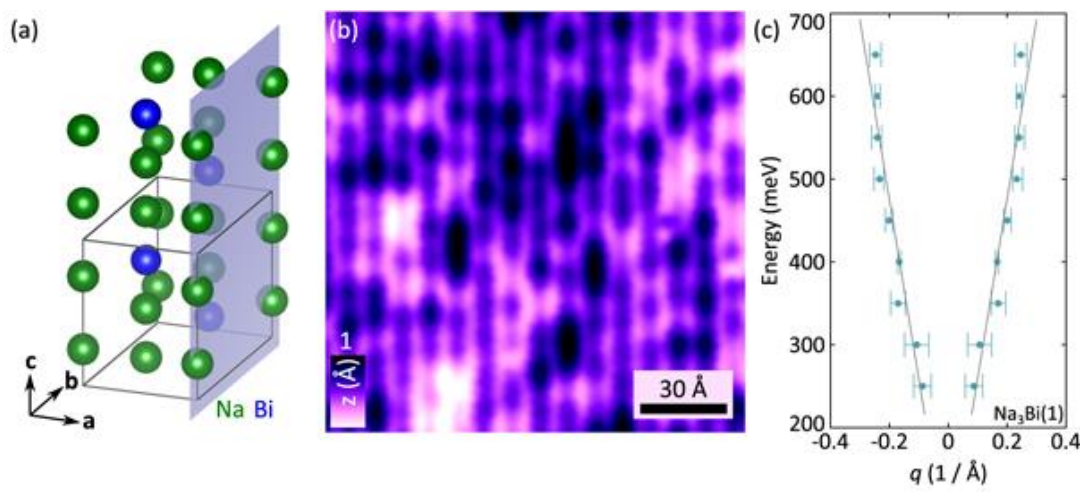
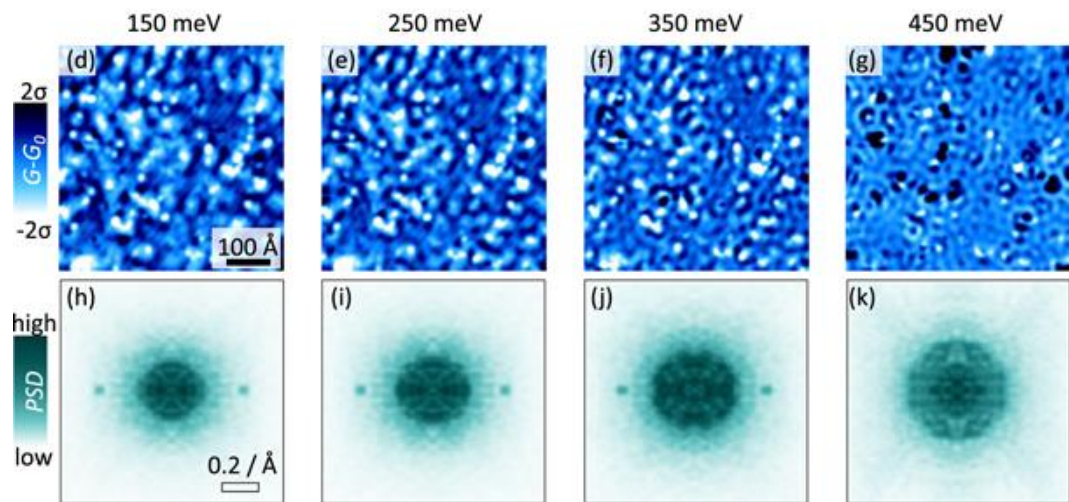
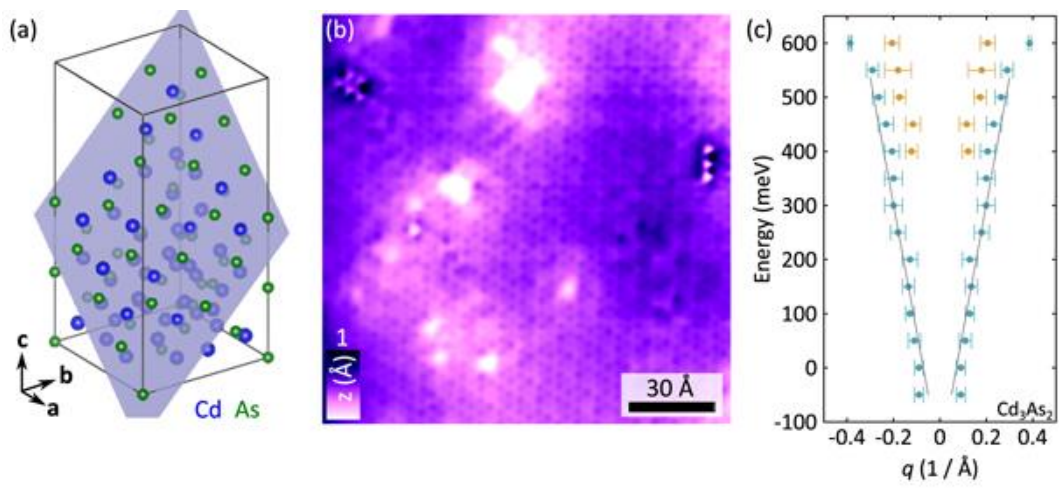


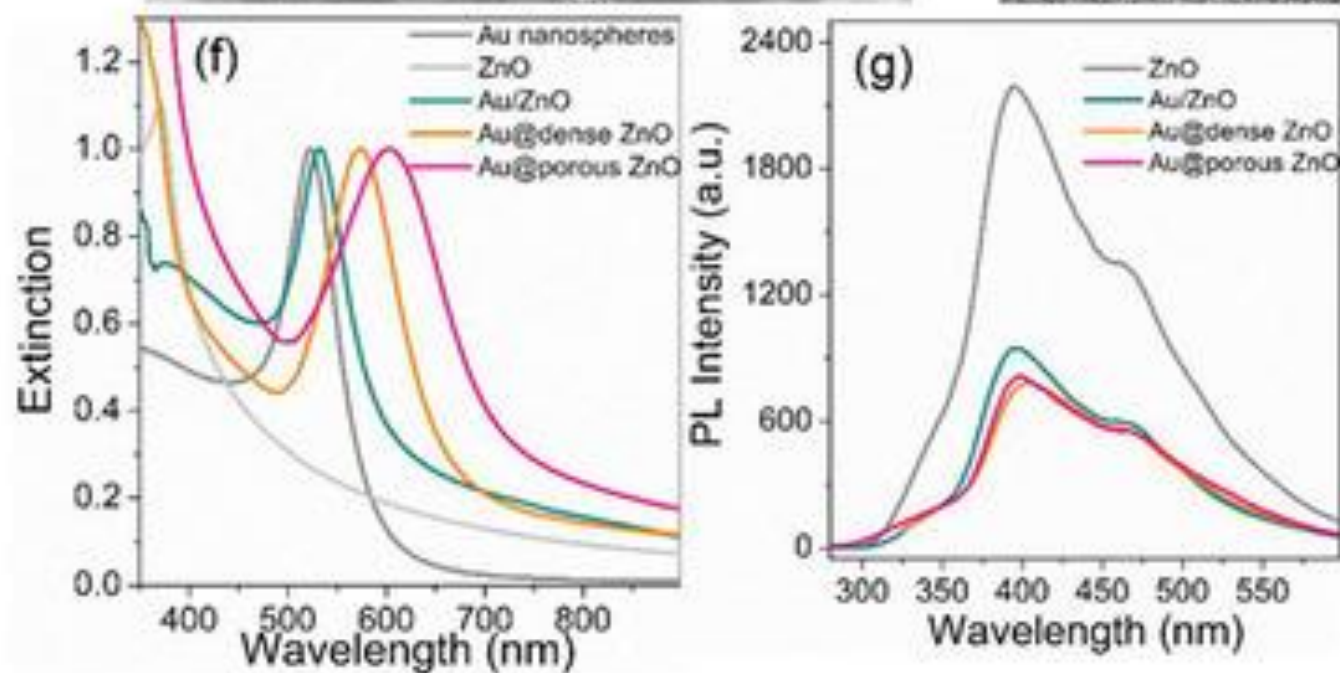
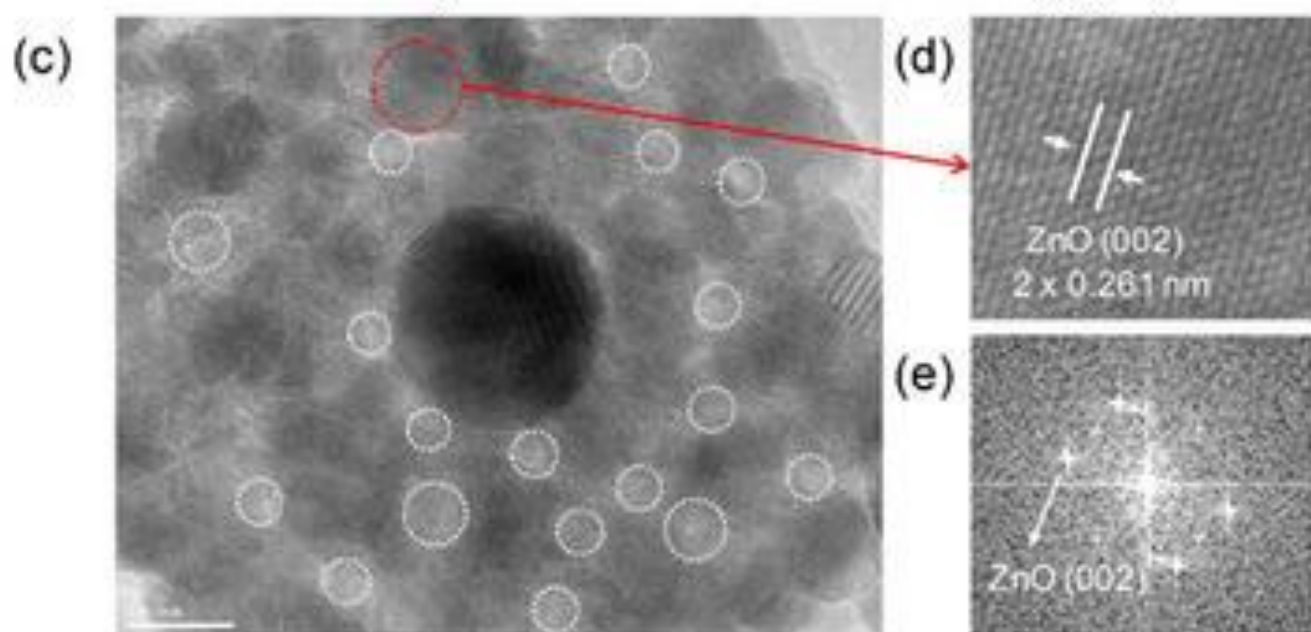
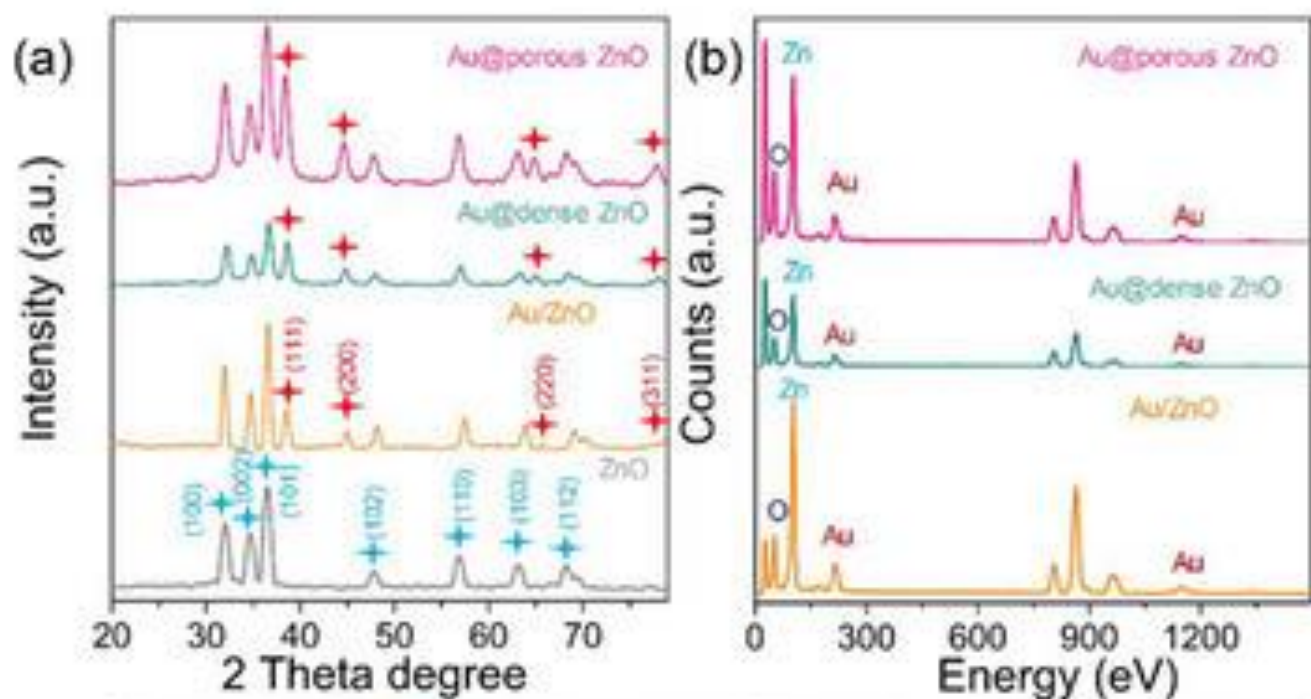


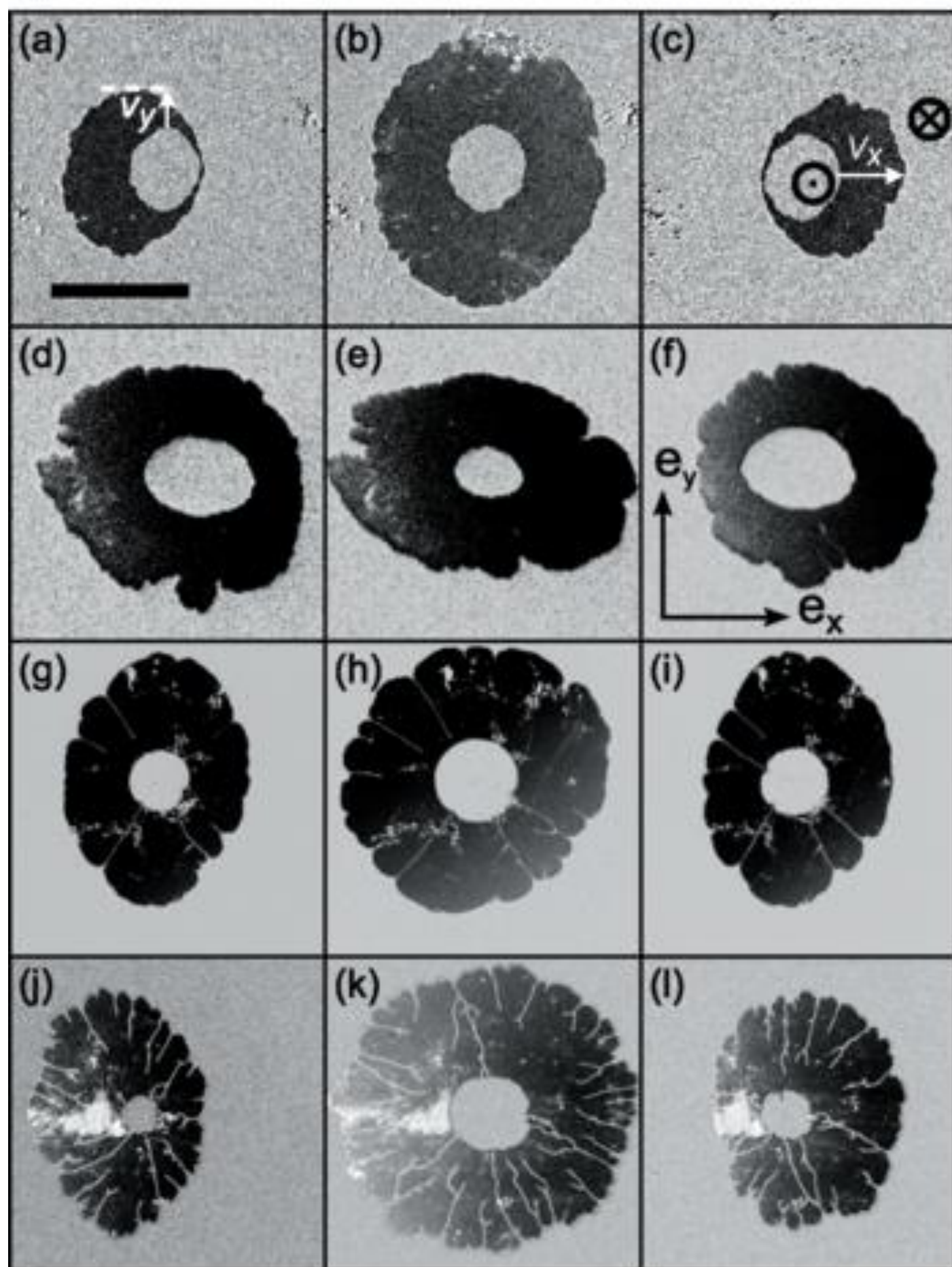


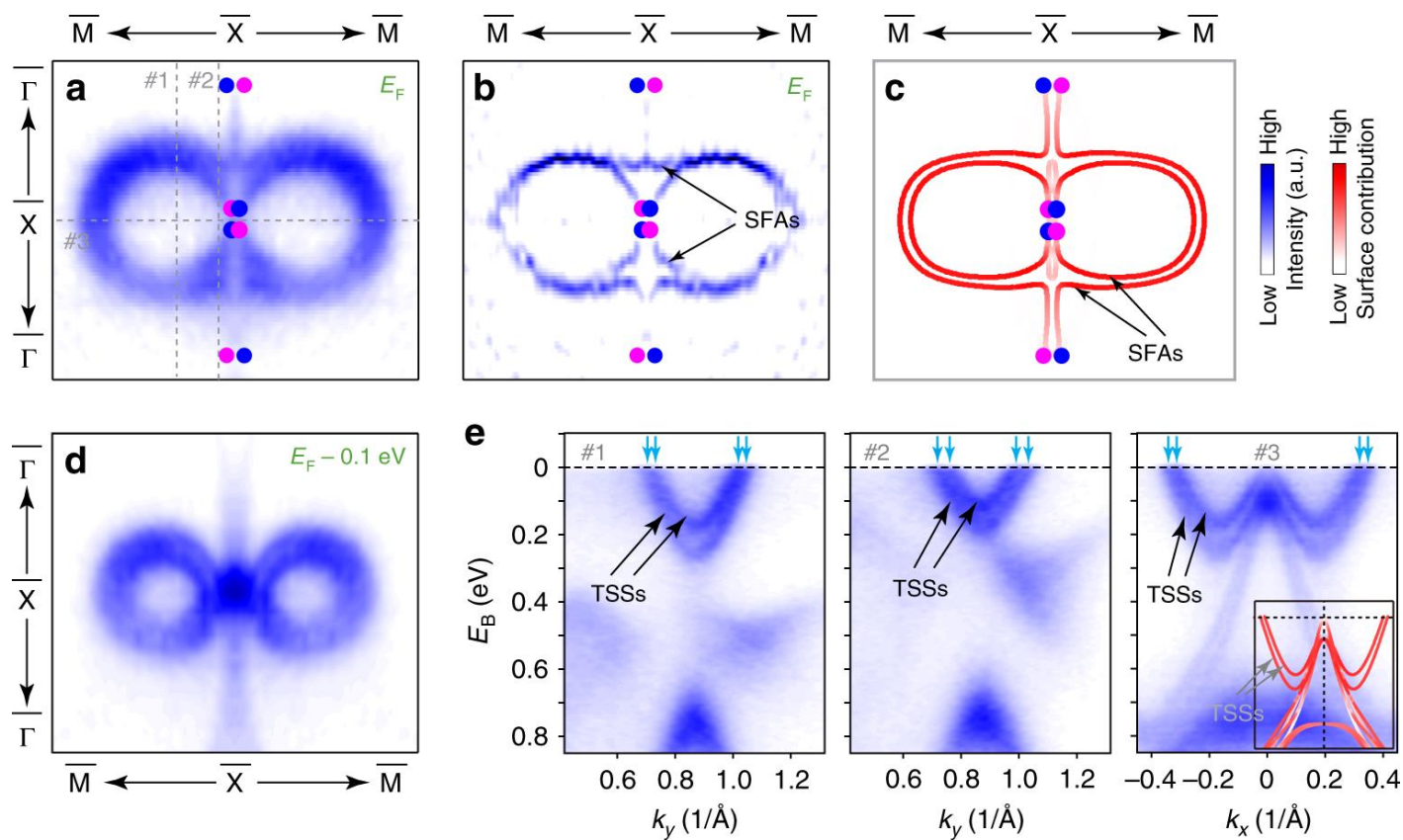
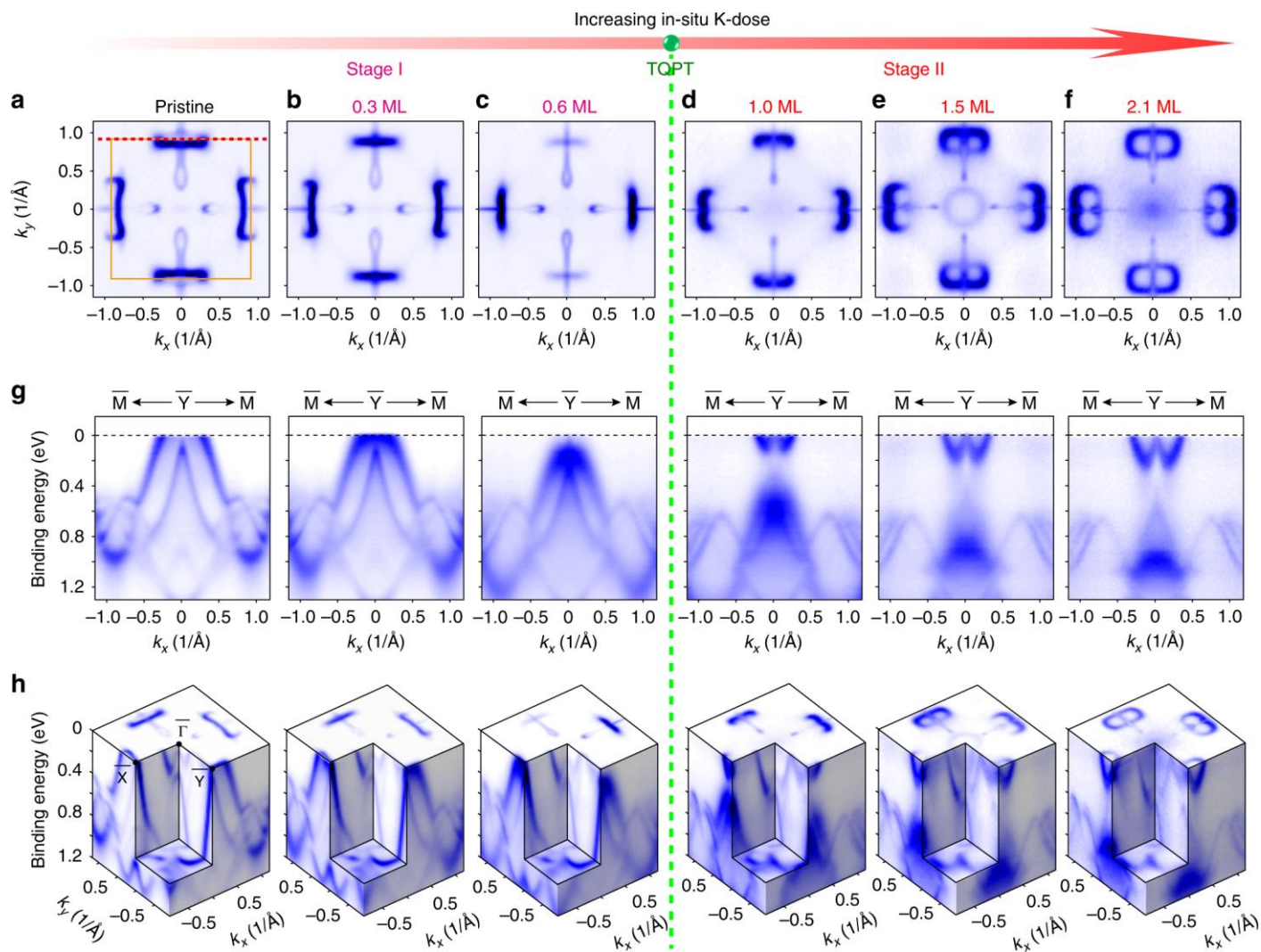


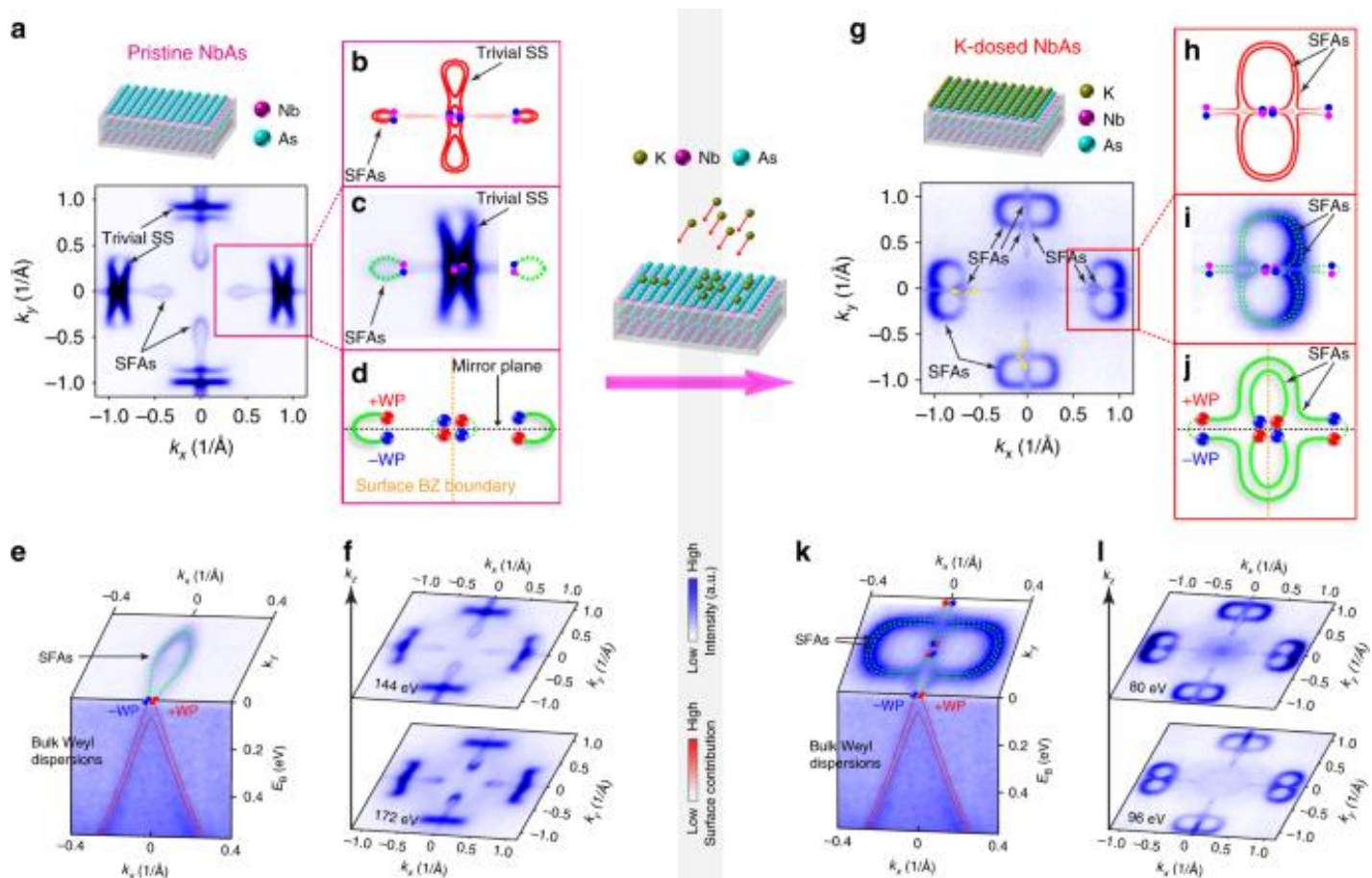
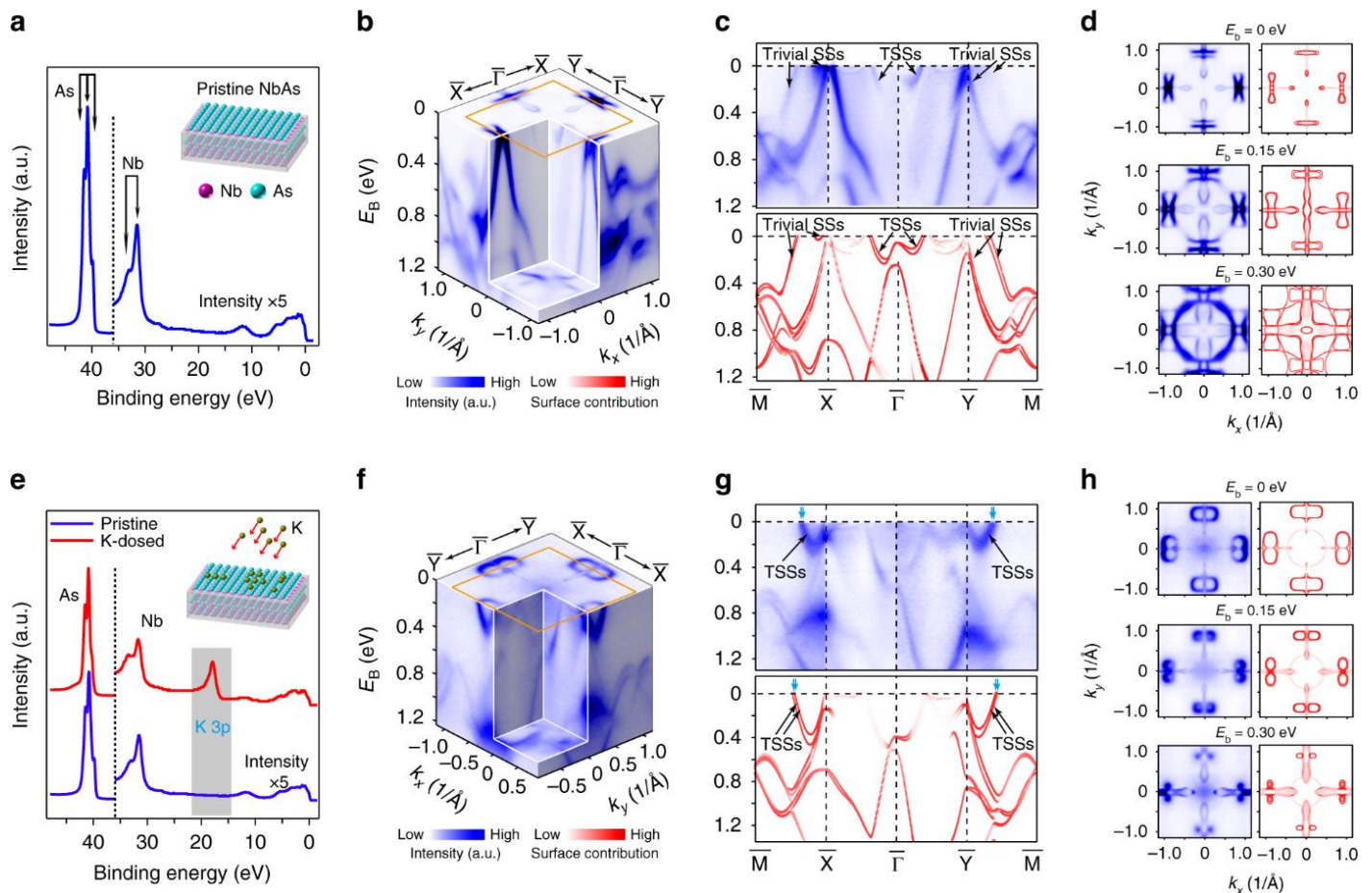


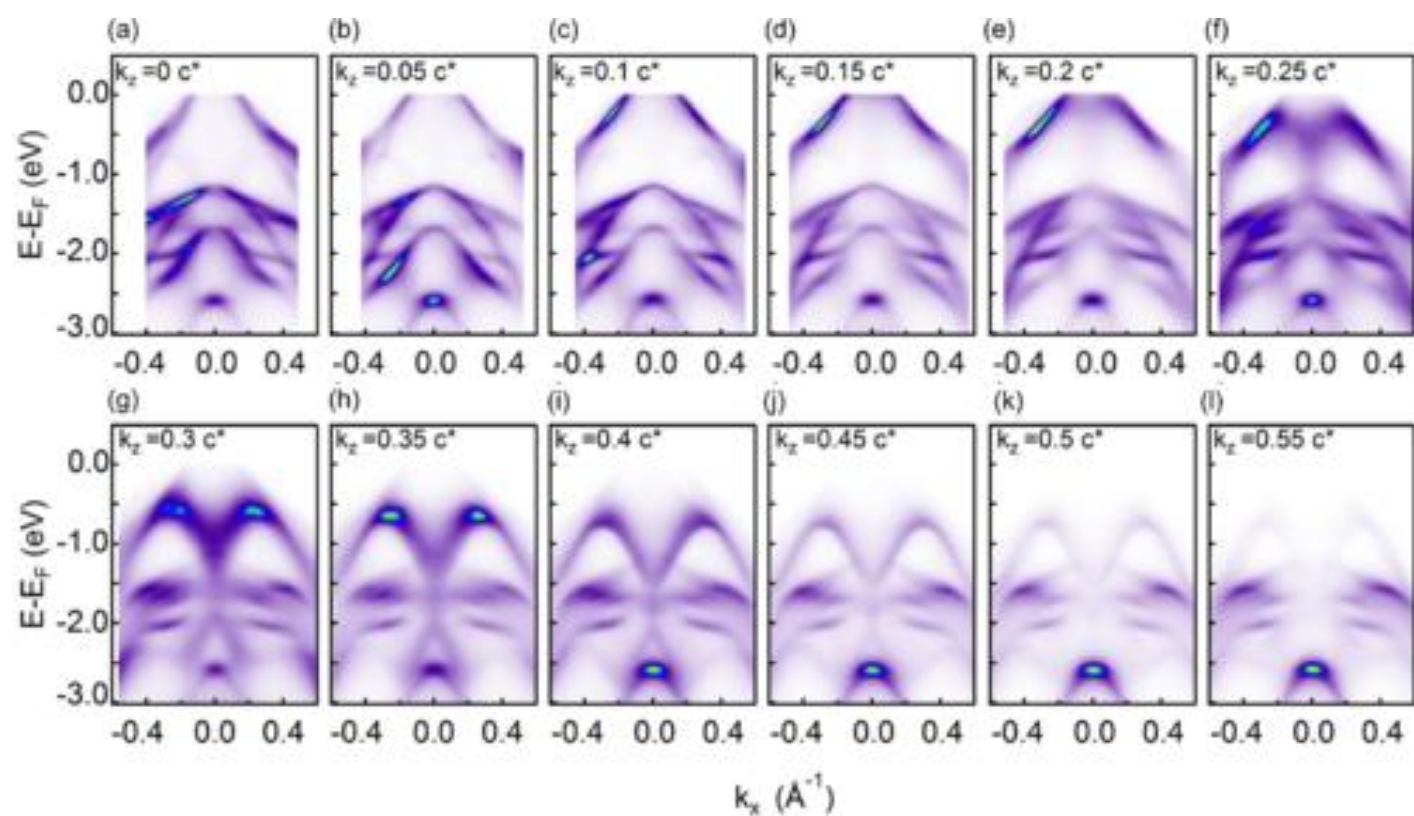
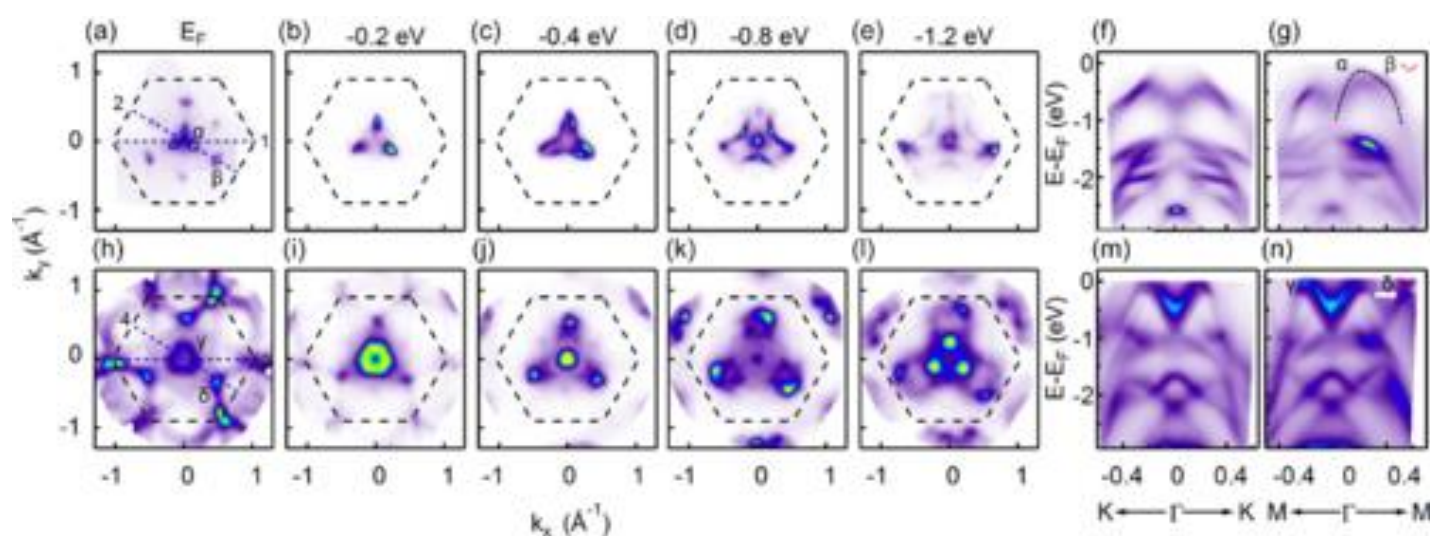
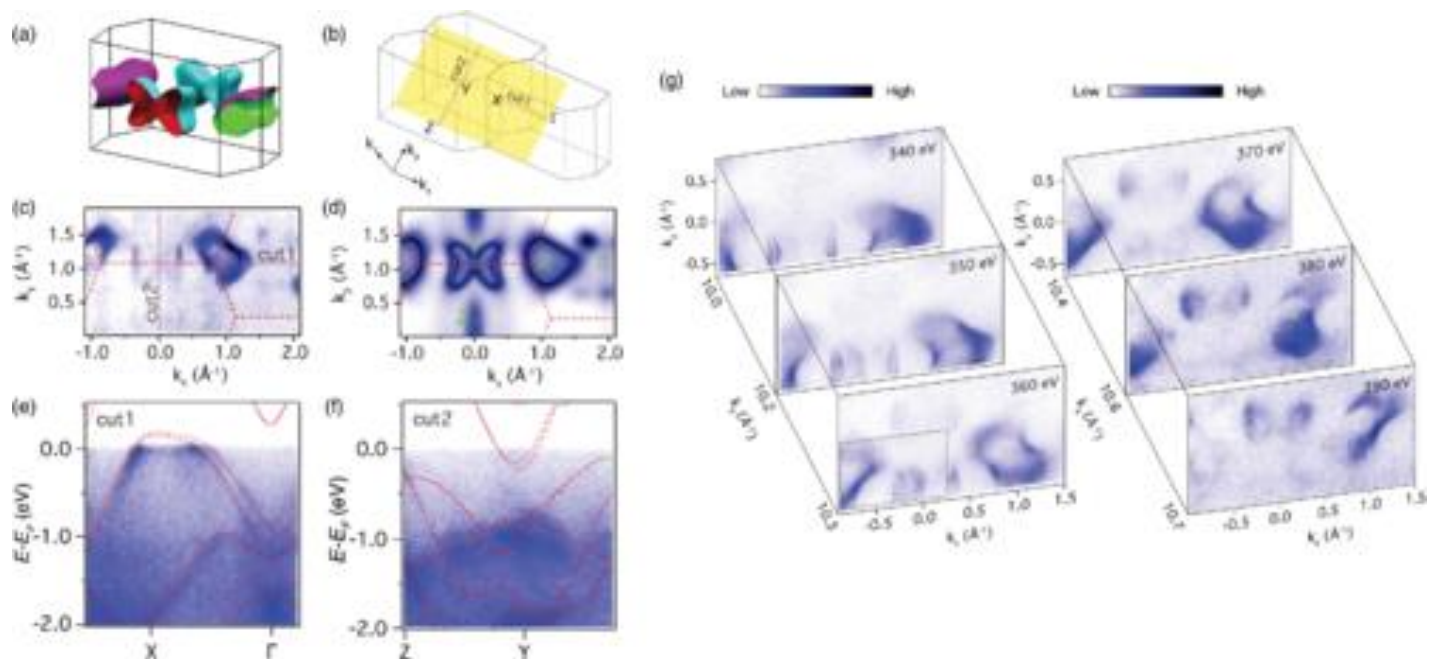


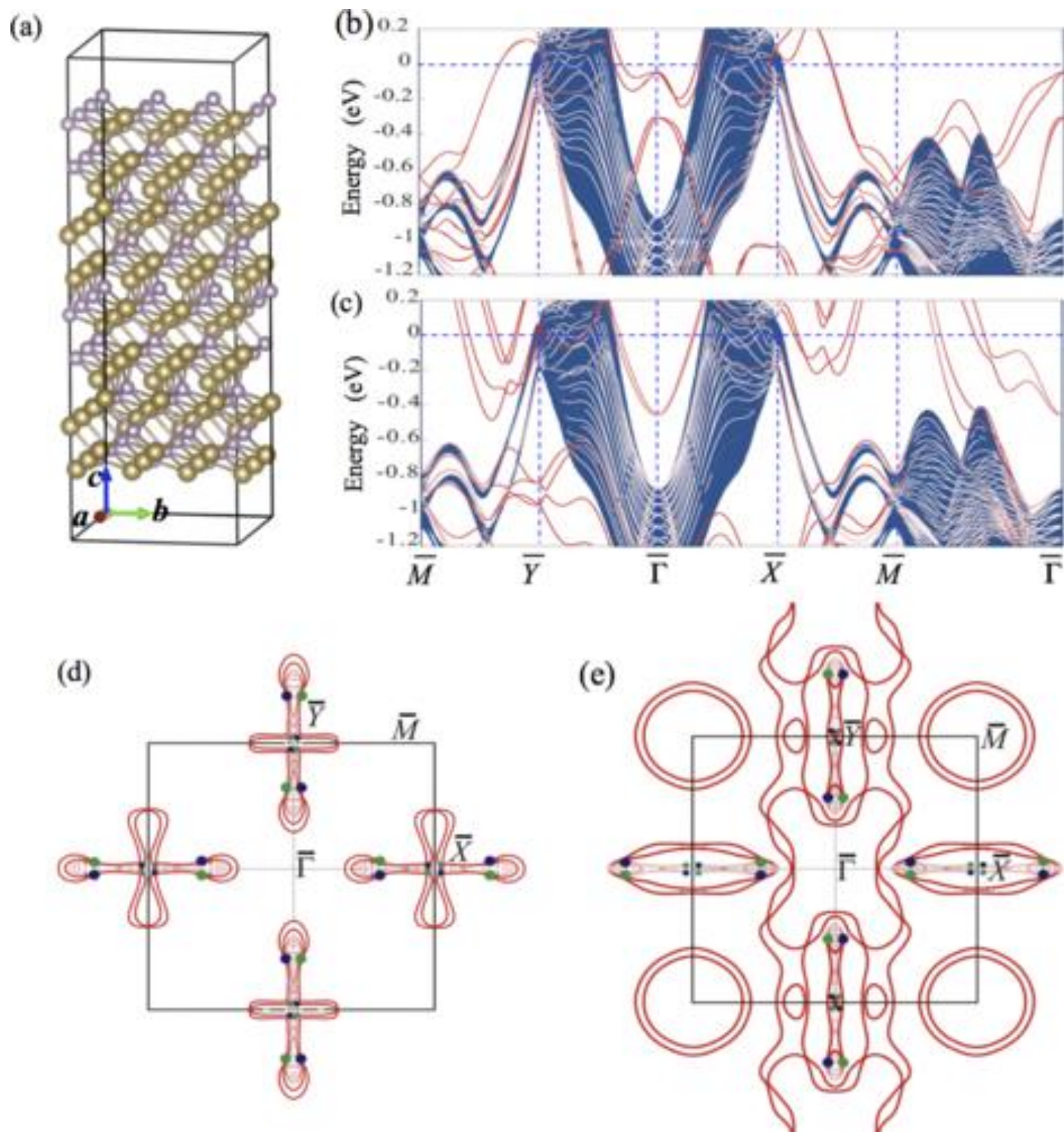


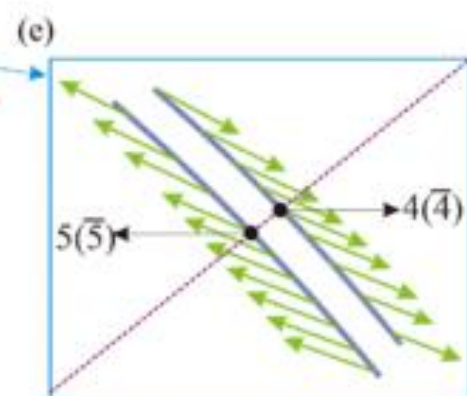
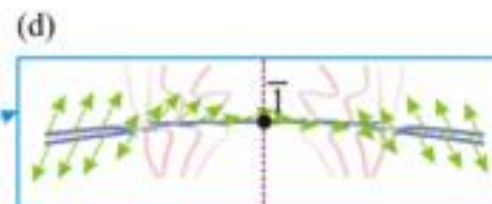
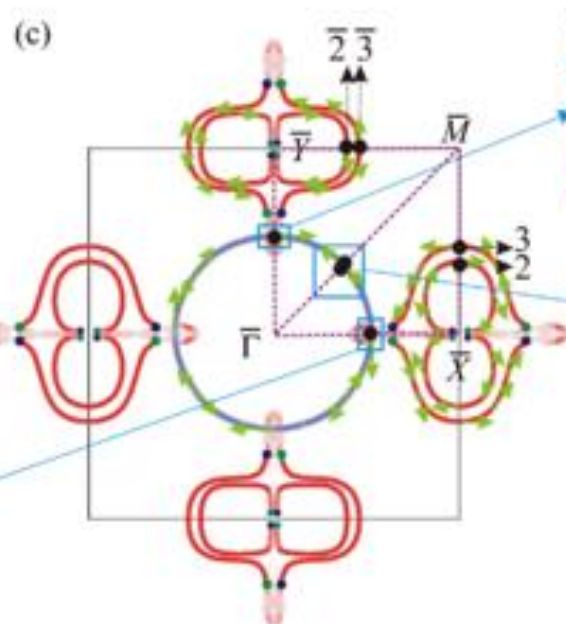
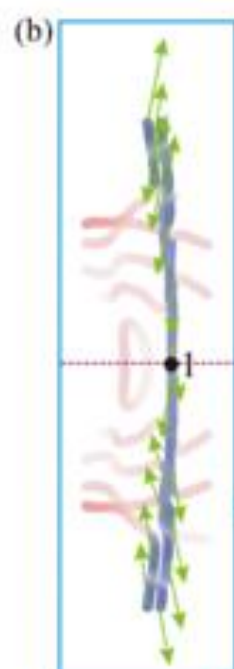
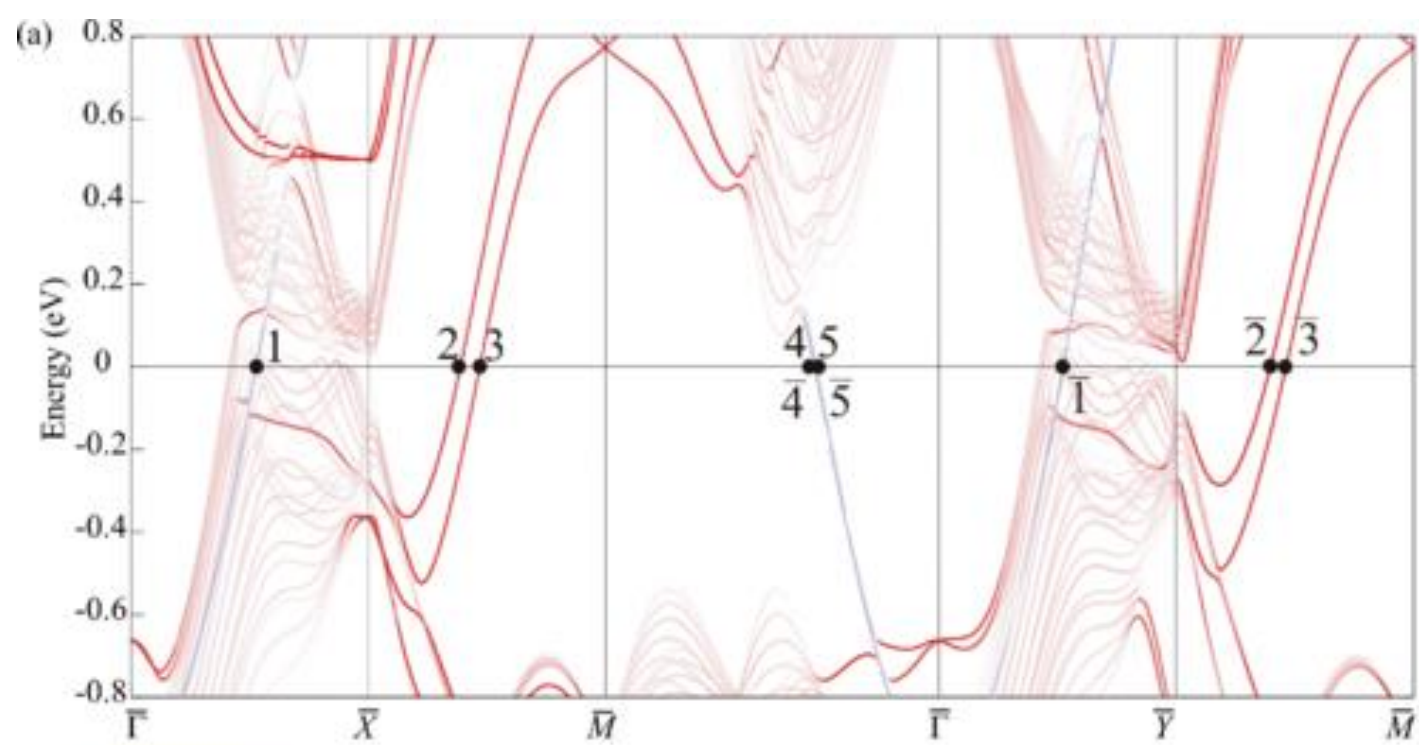
$\mu_0 H_x = -50 \text{ mT}$  $\mu_0 H_x = 0 \text{ mT}$ $\mu_0 H_x = +50 \text{ mT}$ 

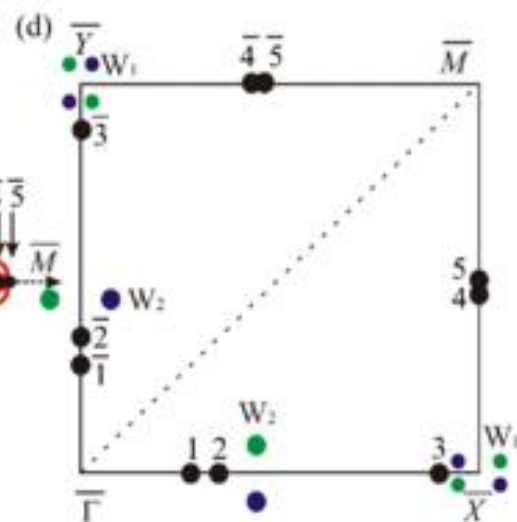
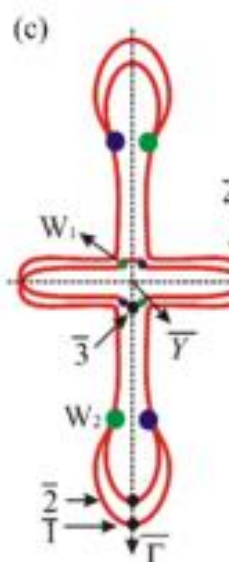
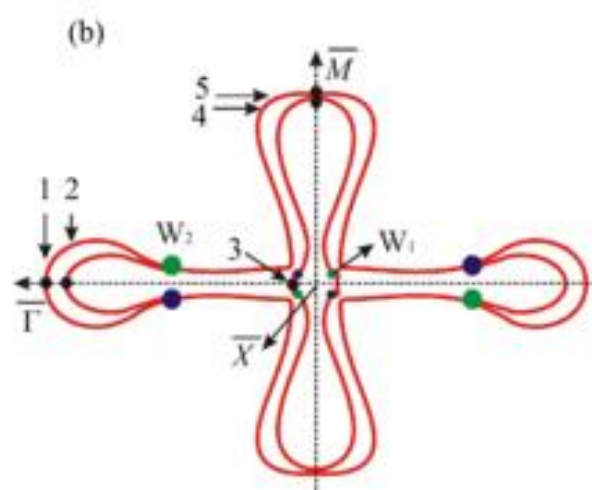
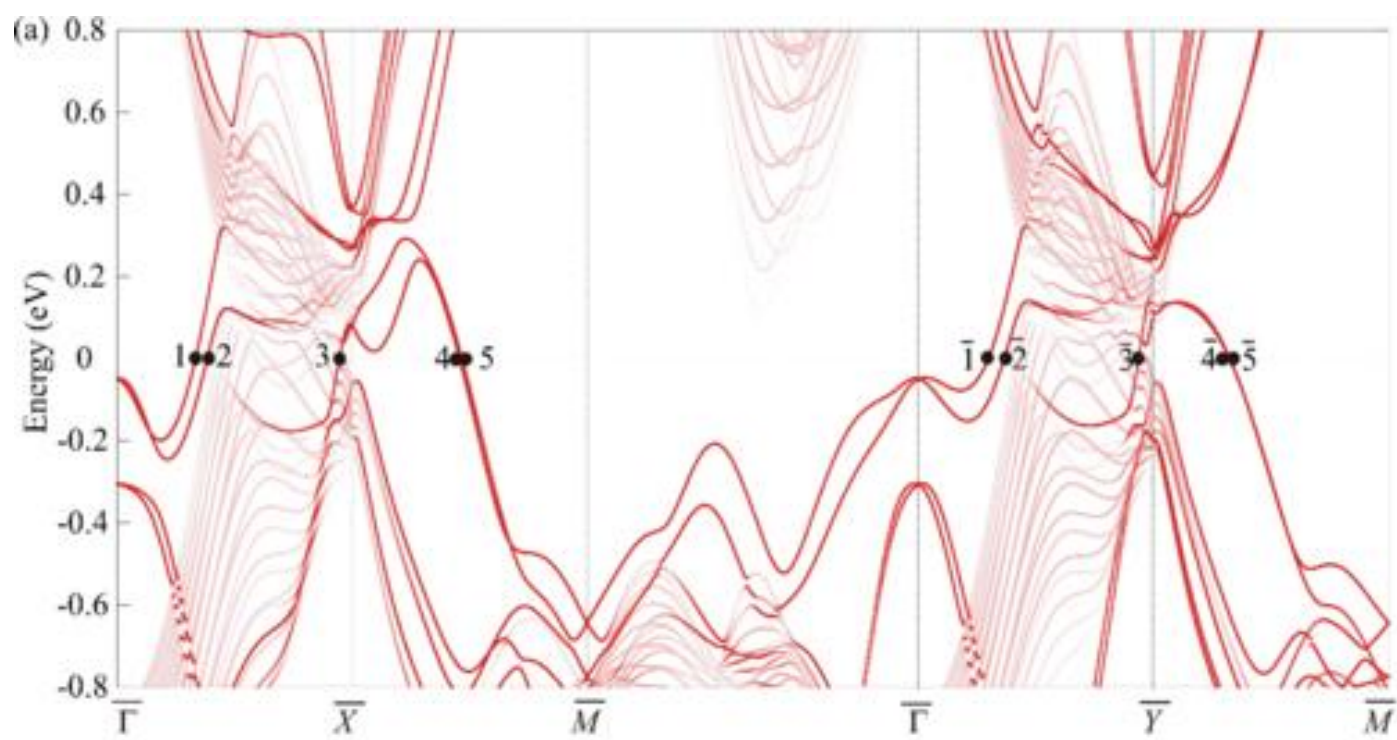


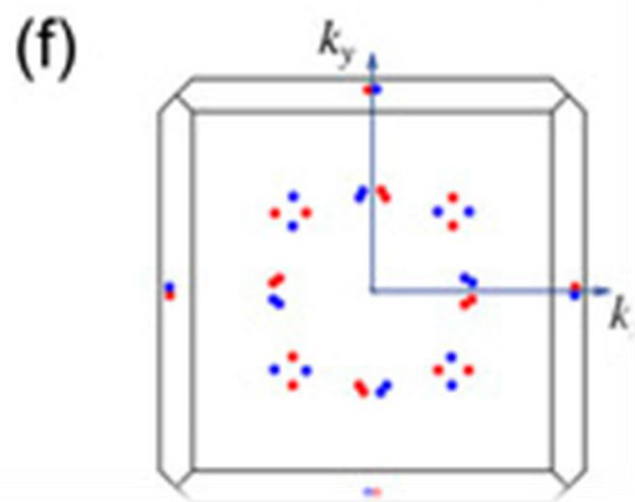
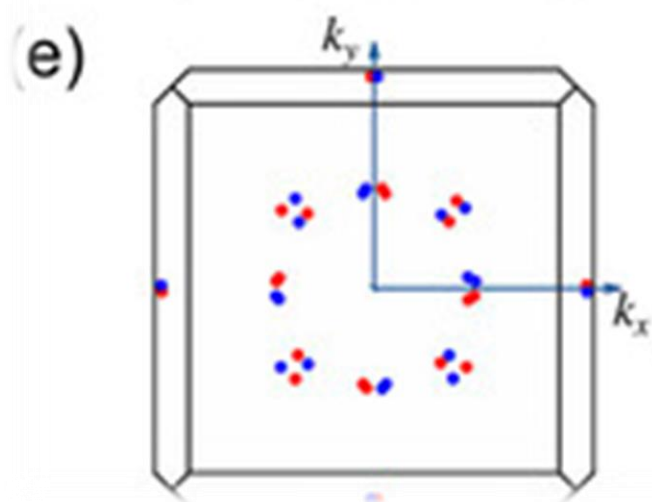
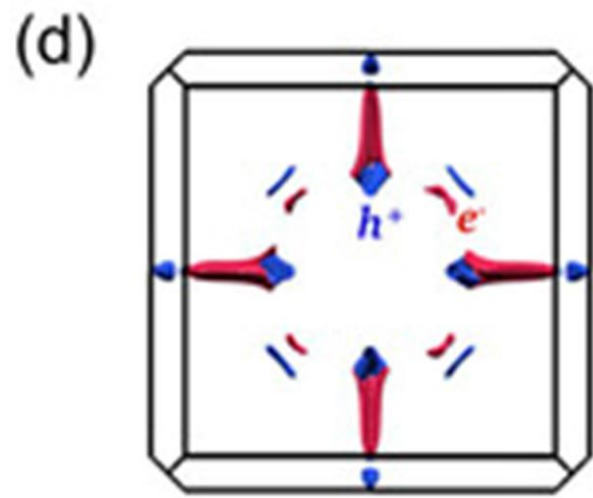
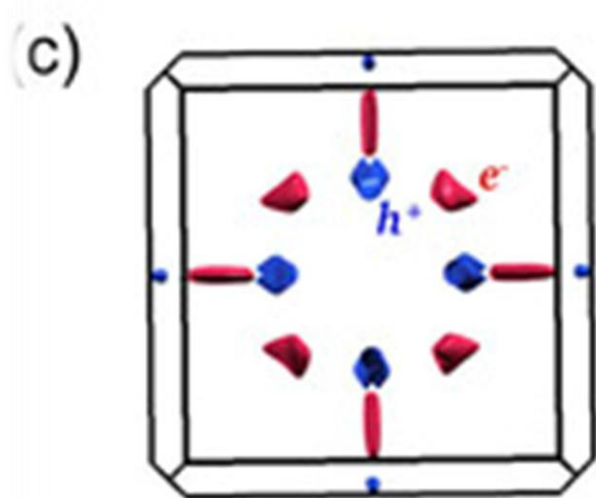
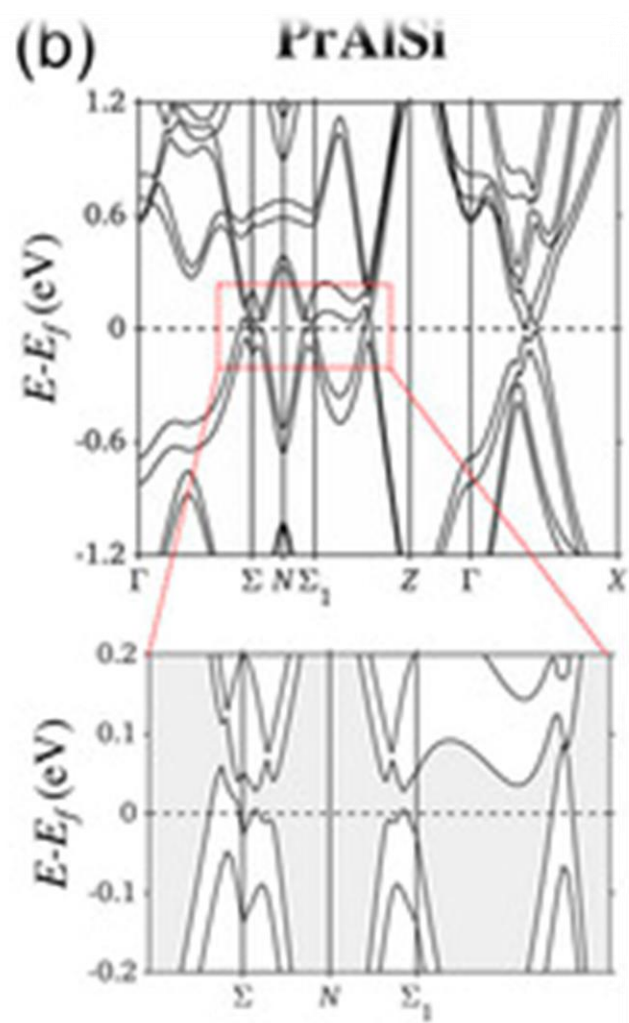
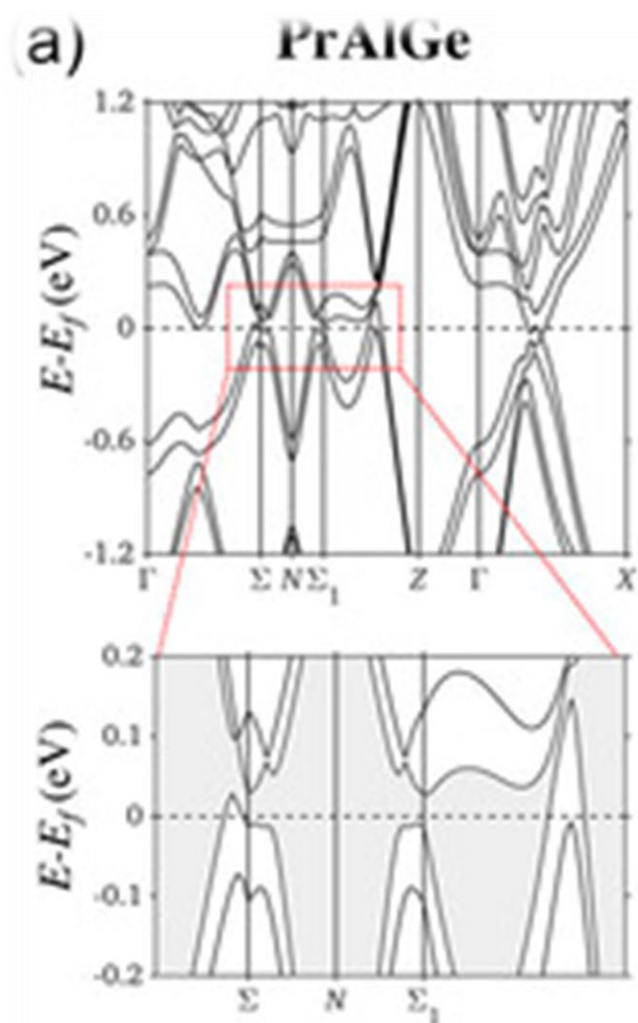


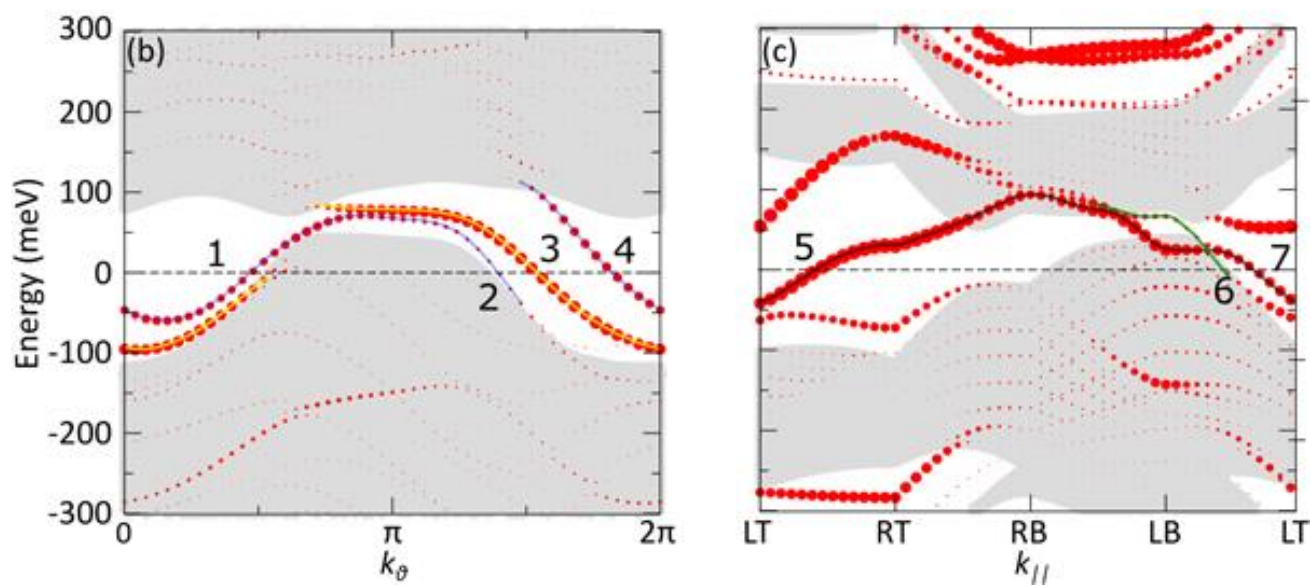
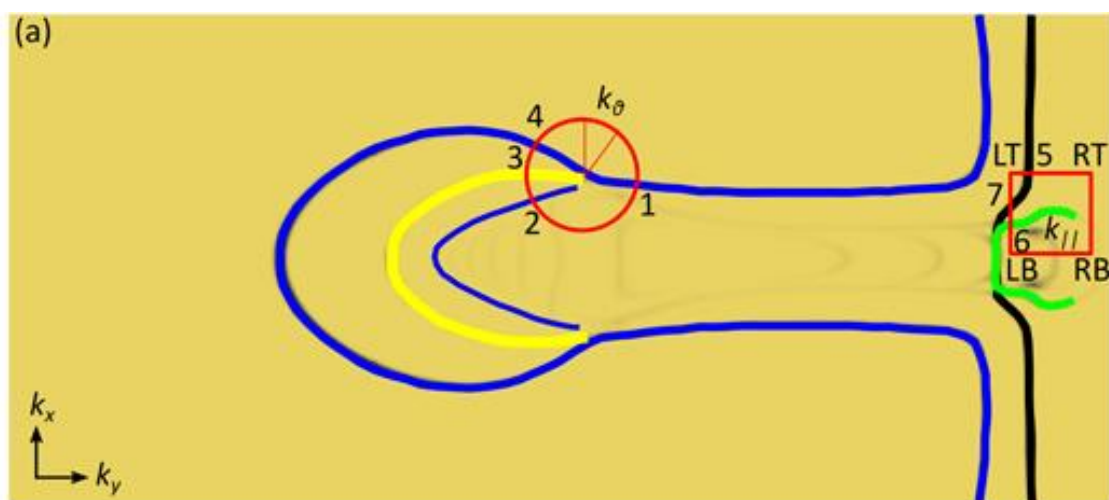
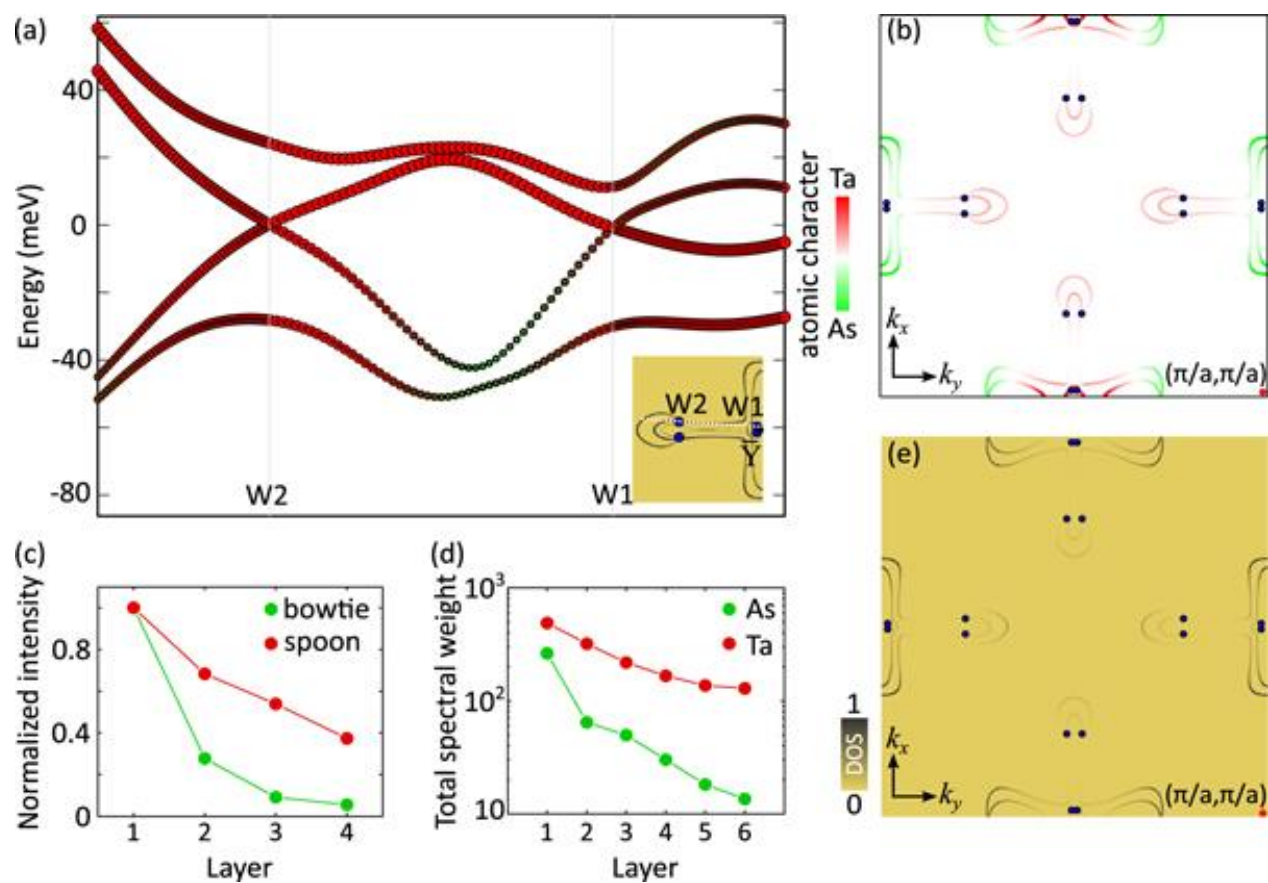






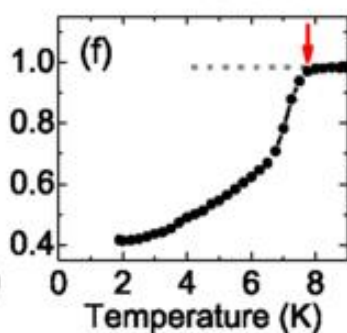
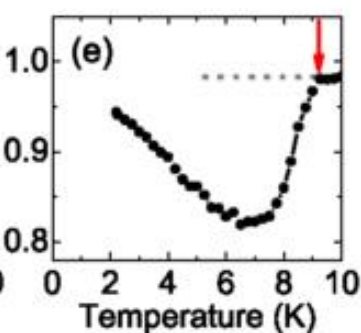
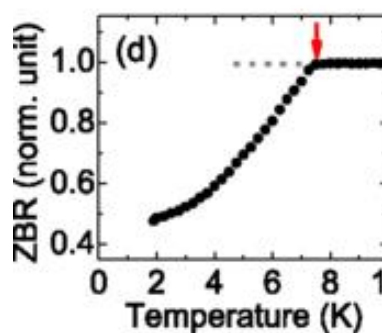
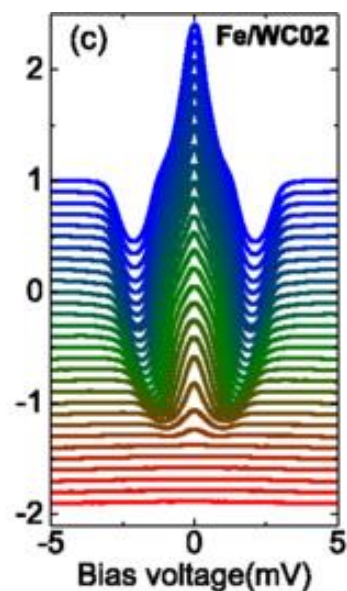
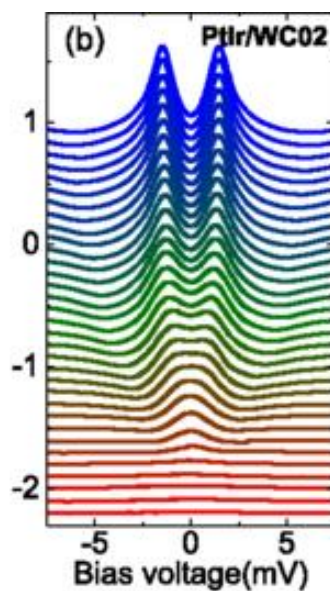
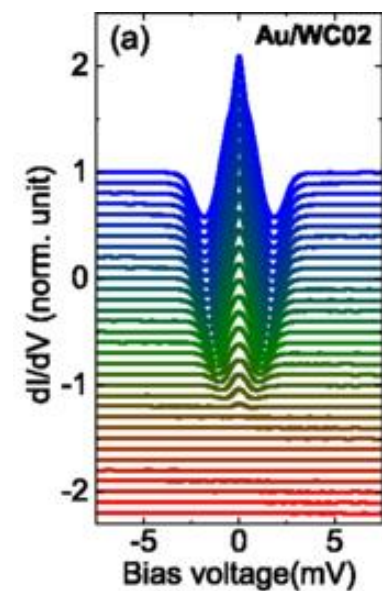
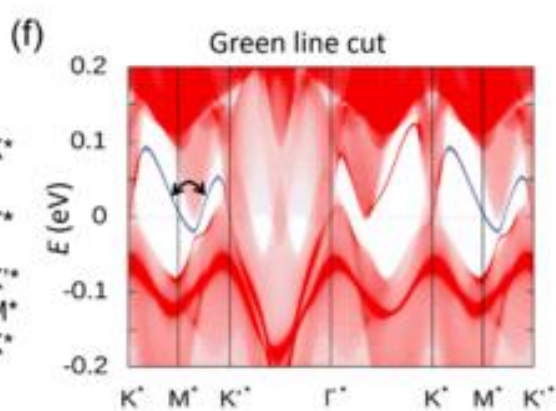
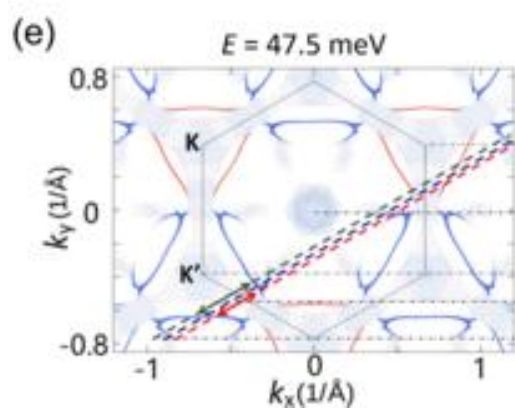
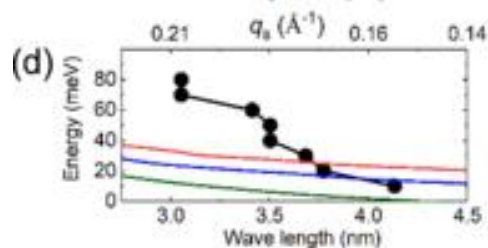
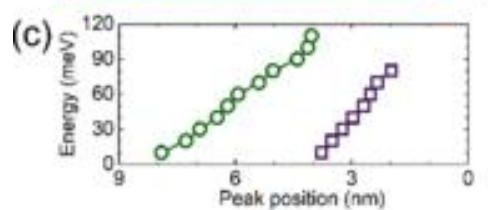
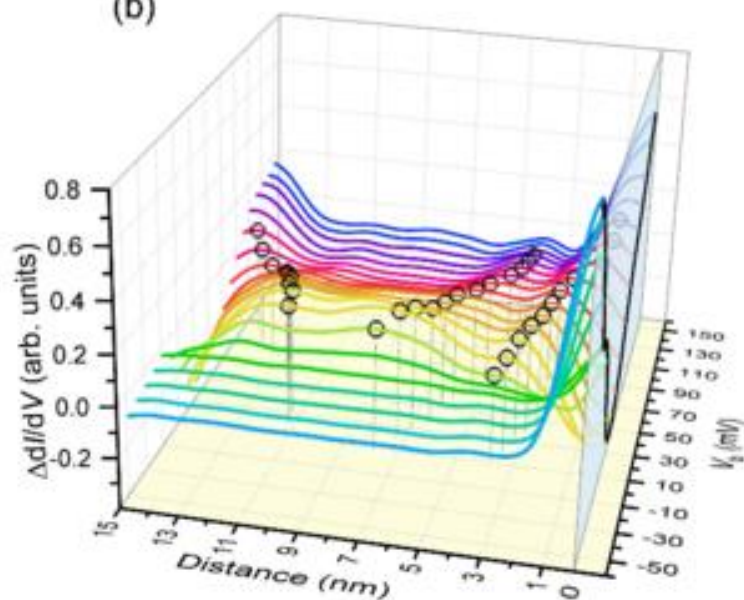


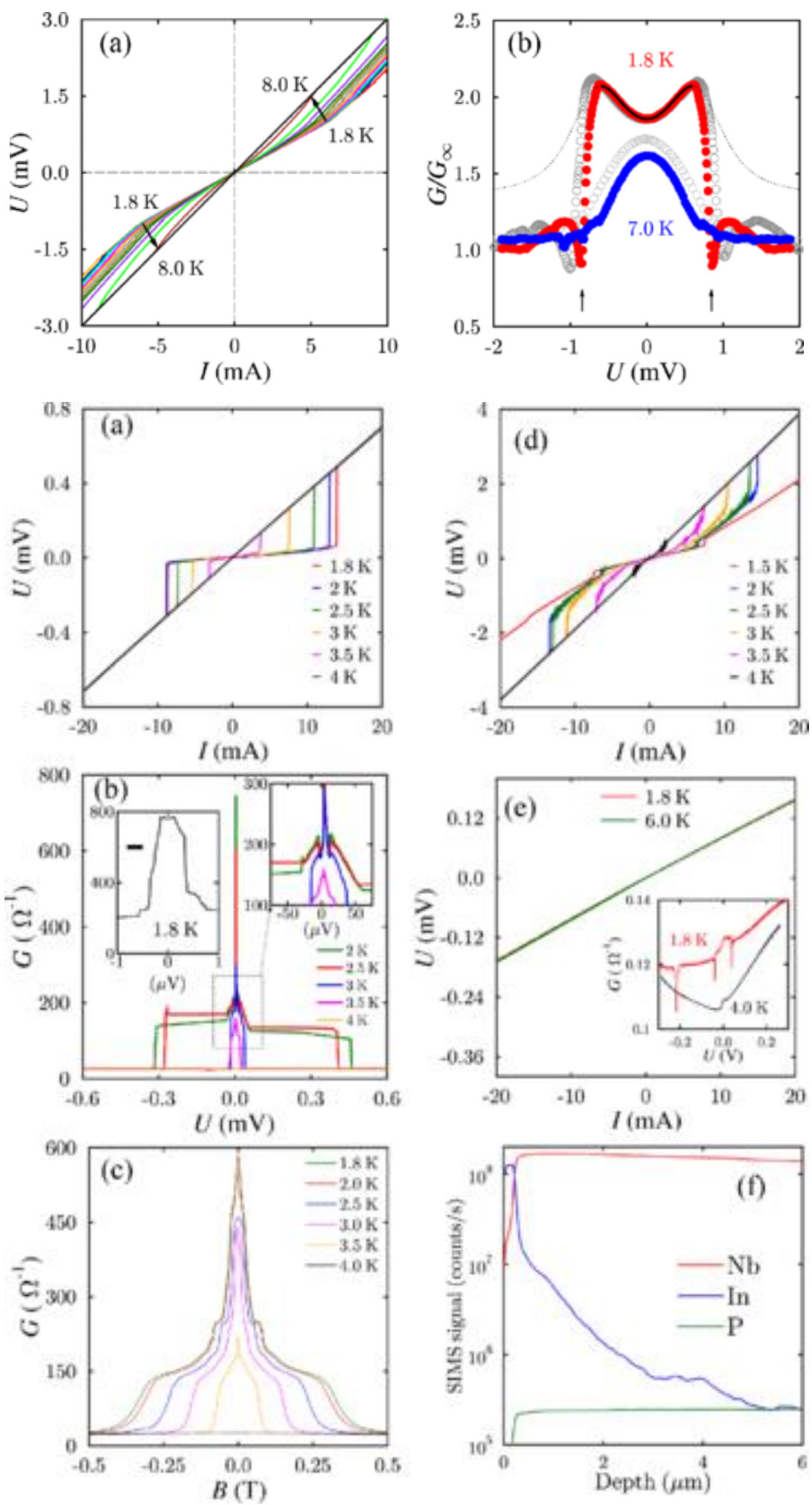


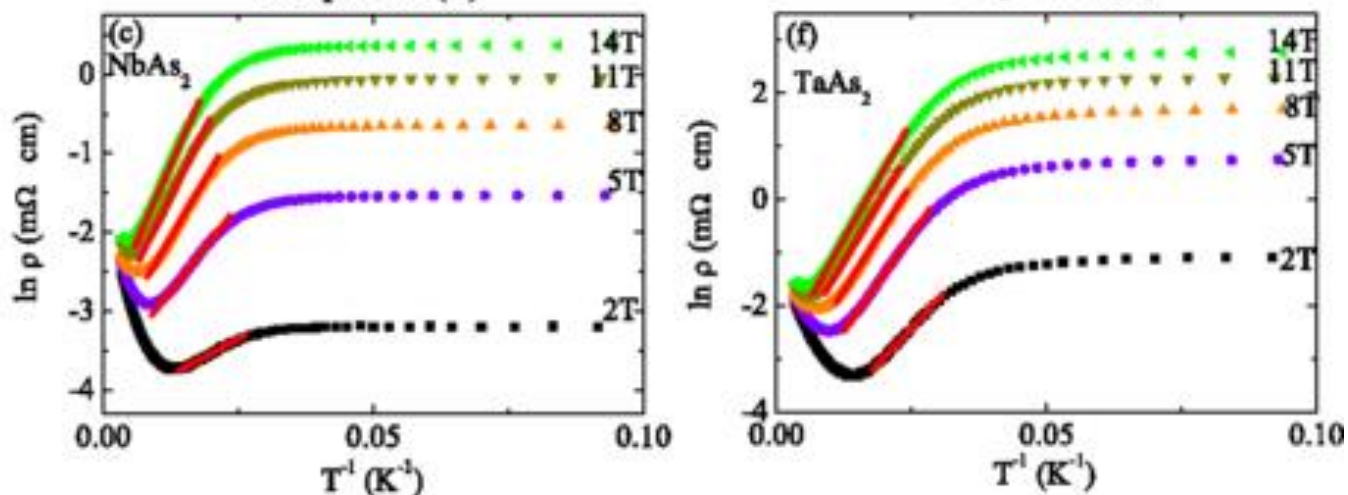
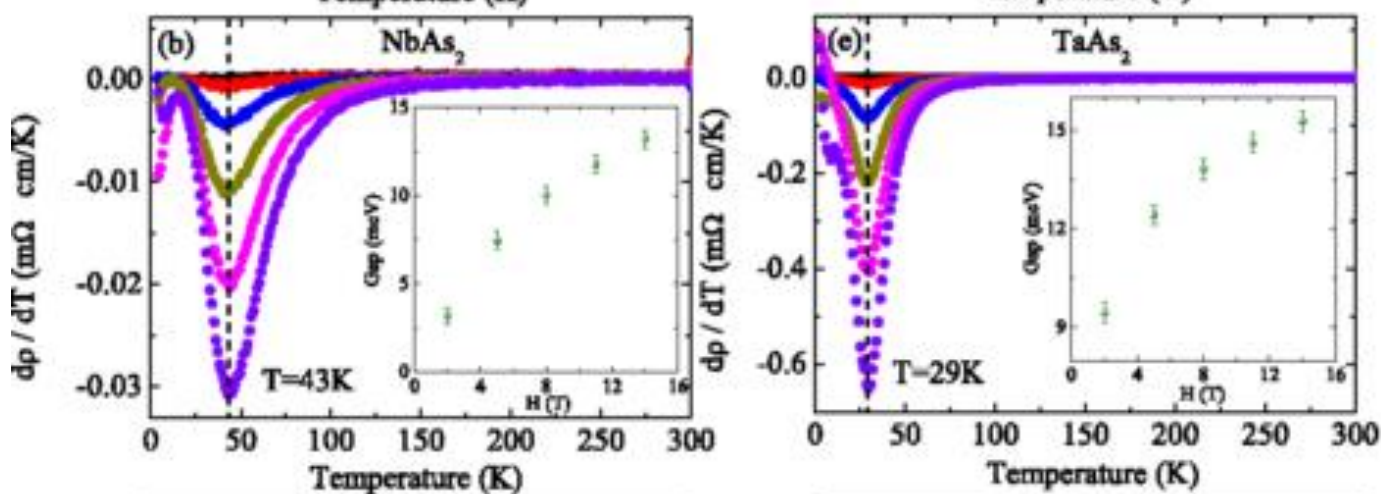
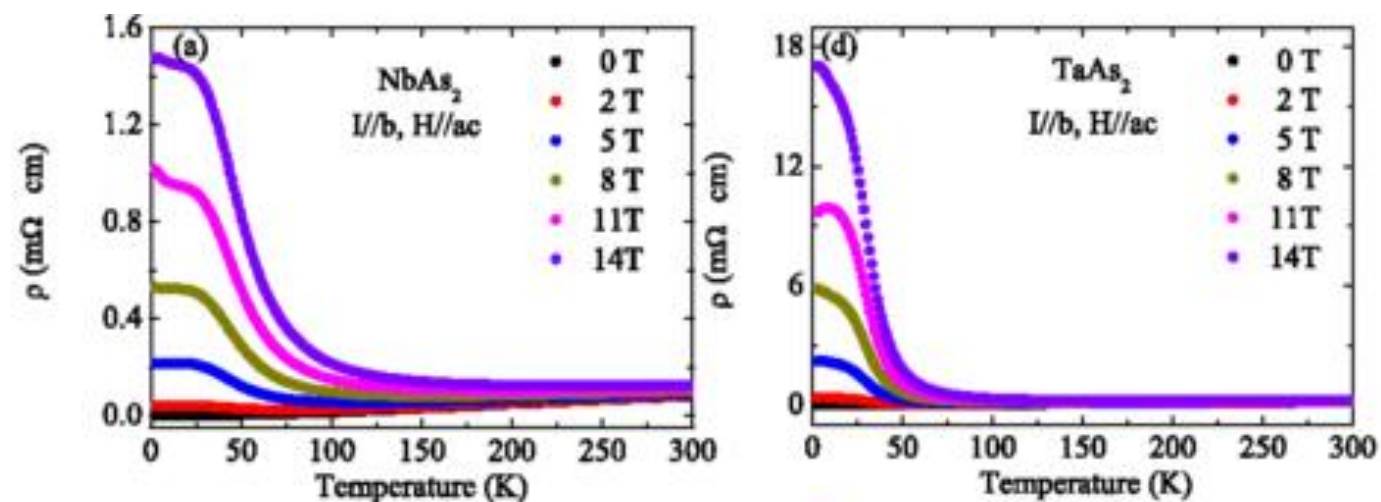
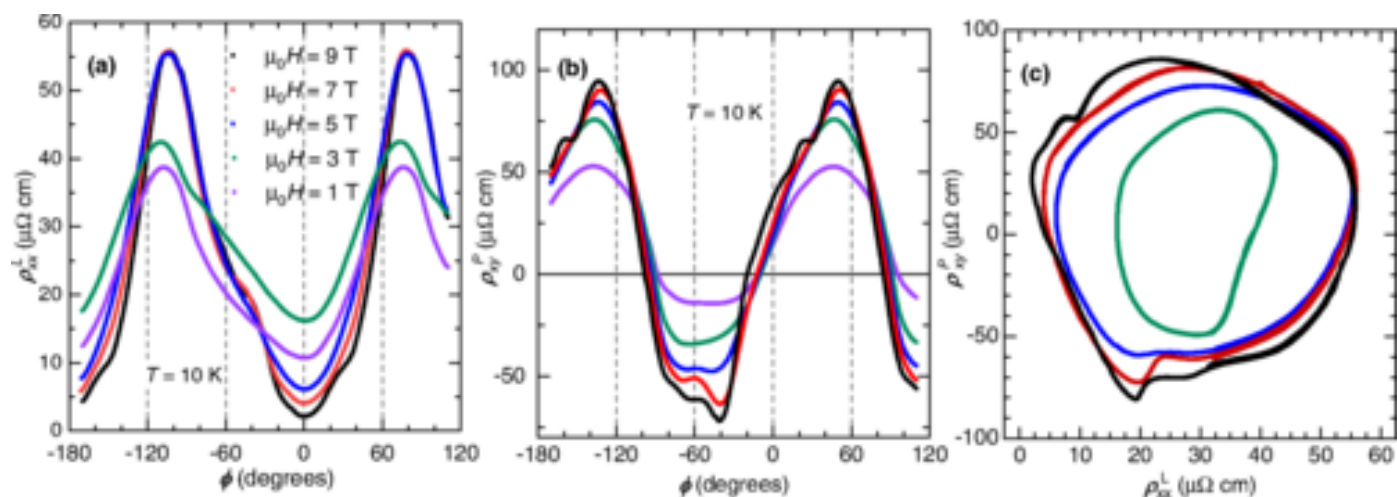


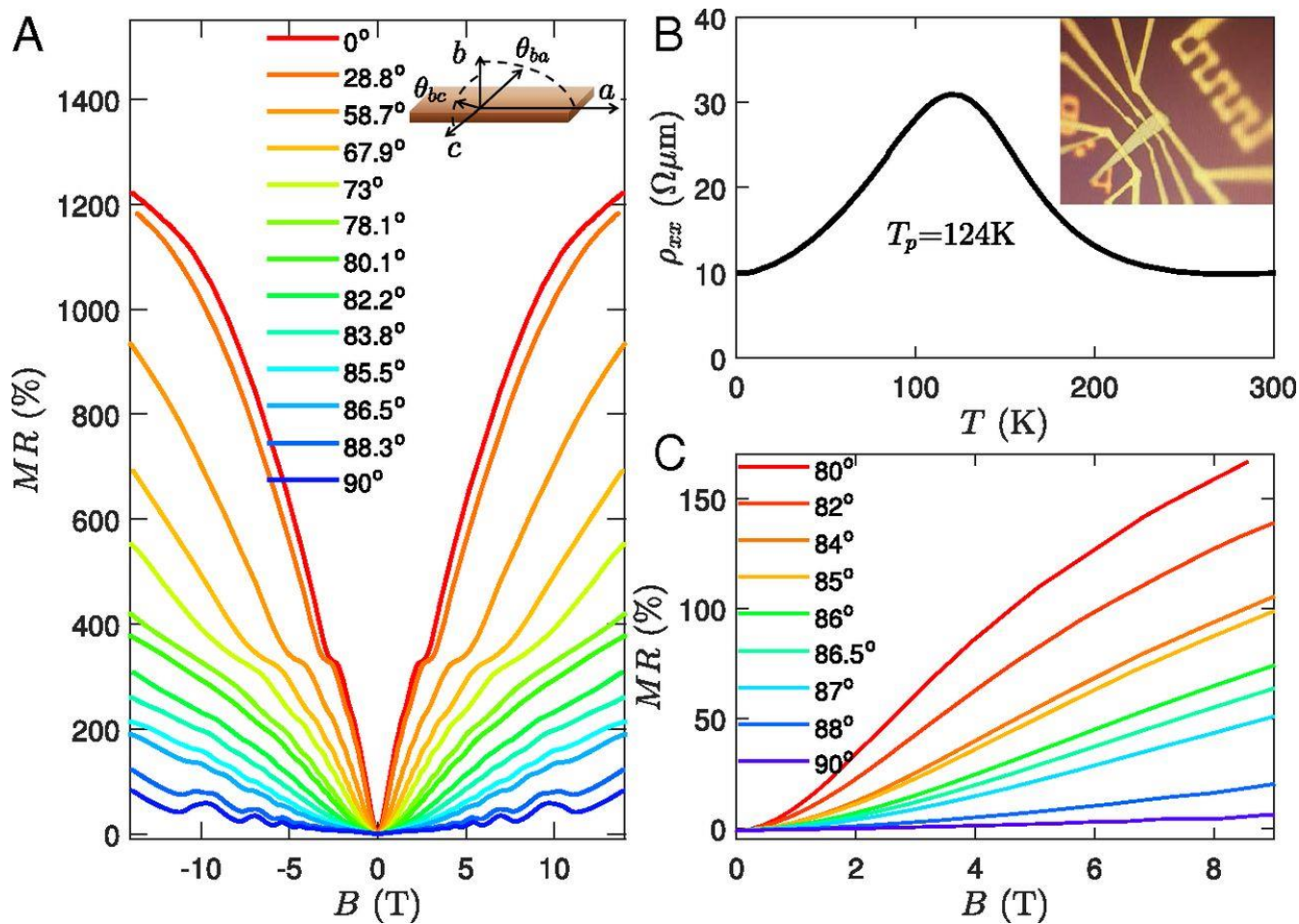
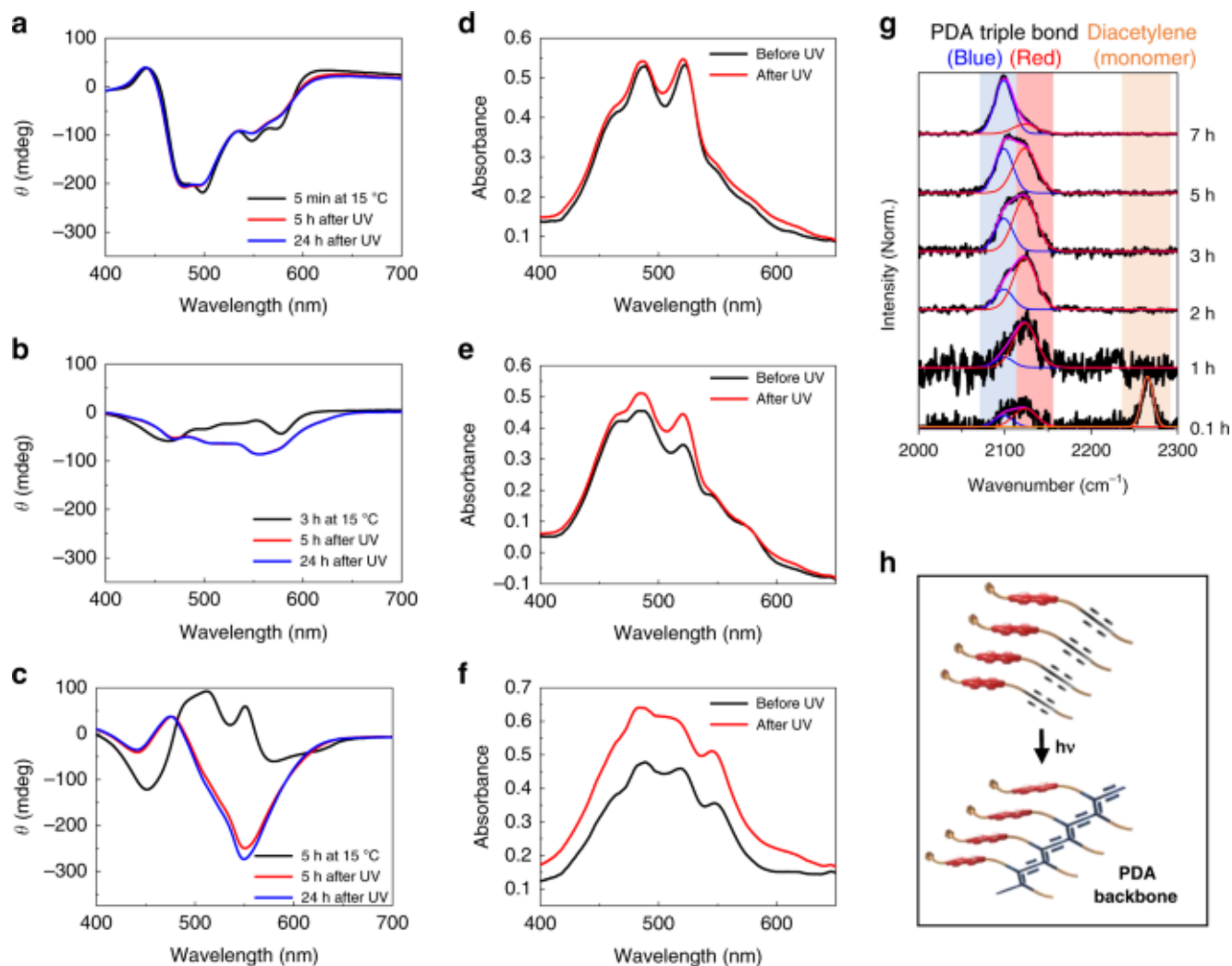


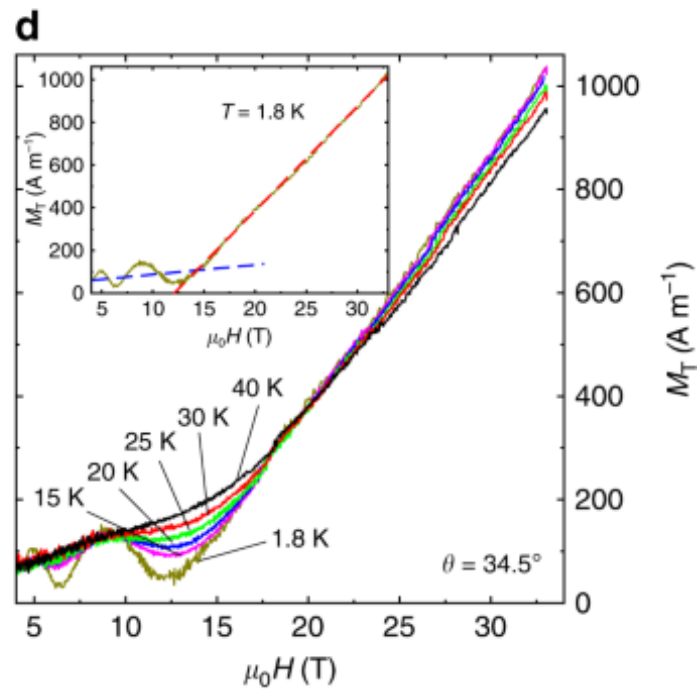
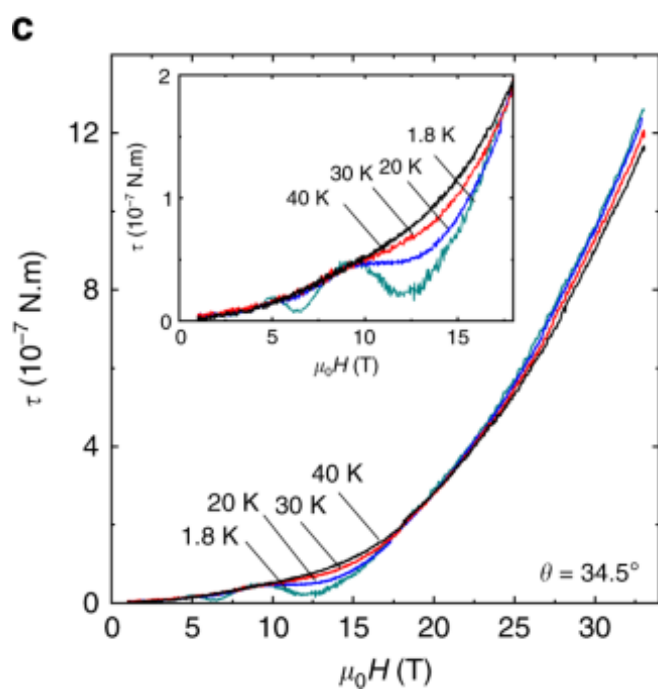
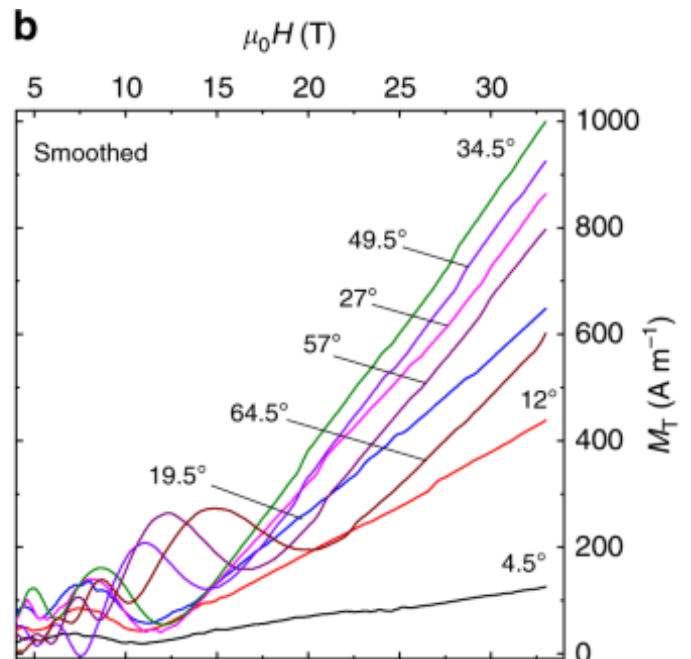
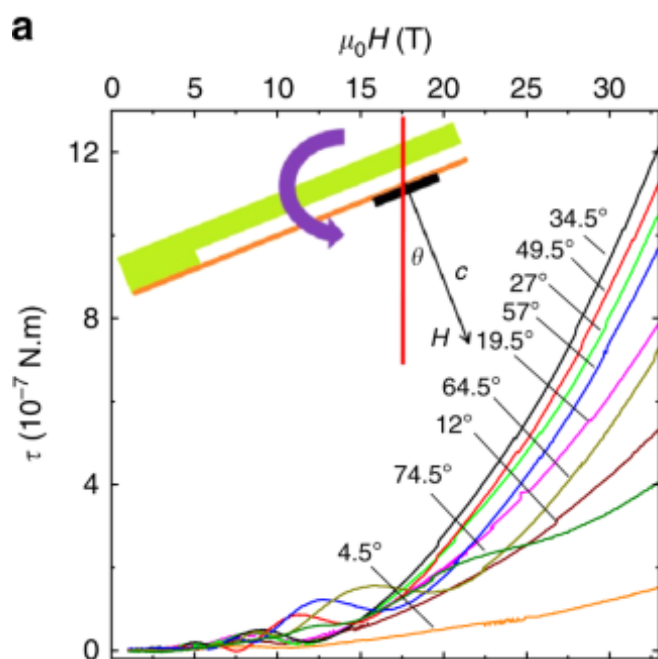
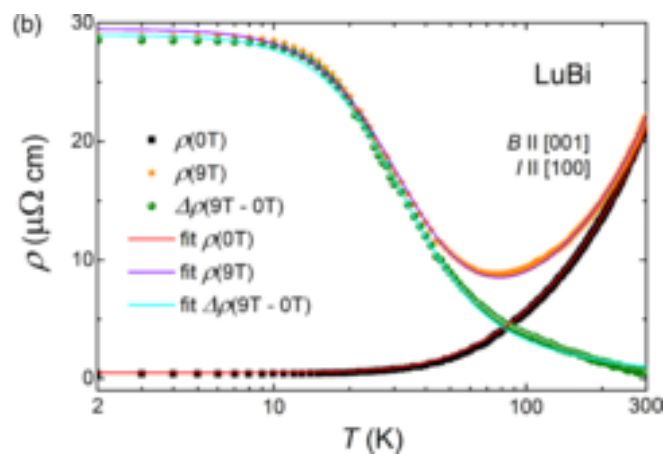
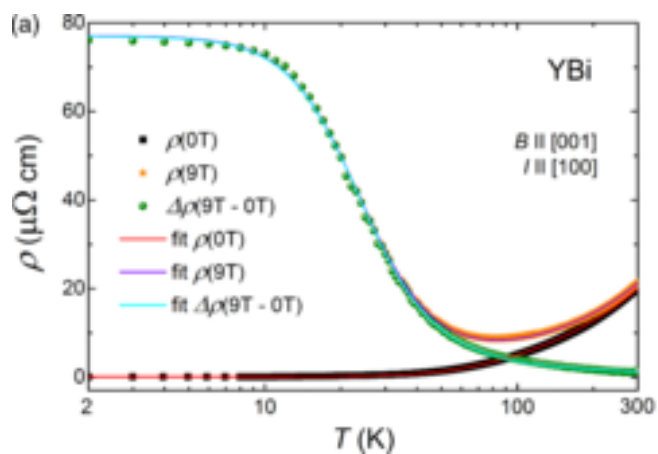
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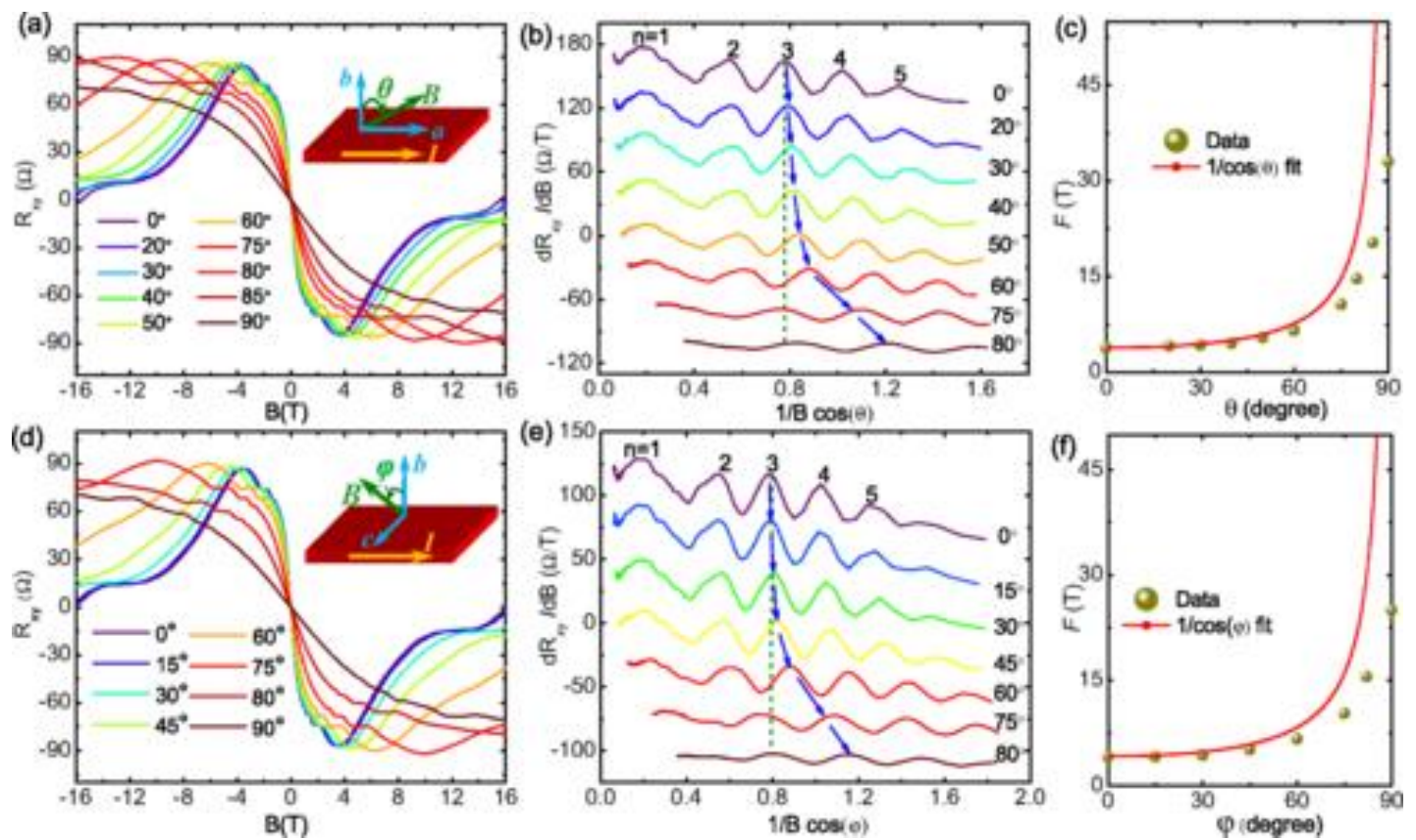
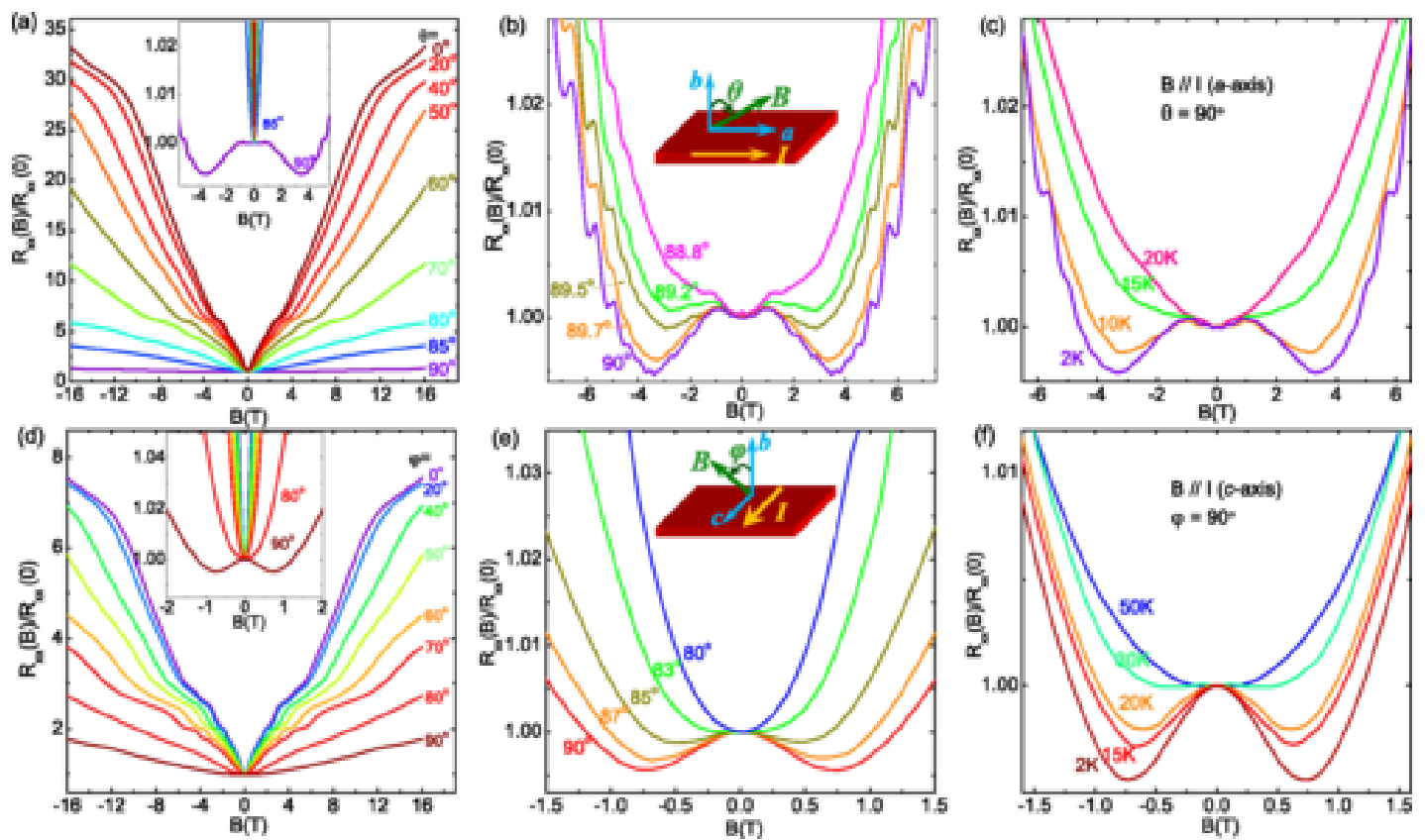


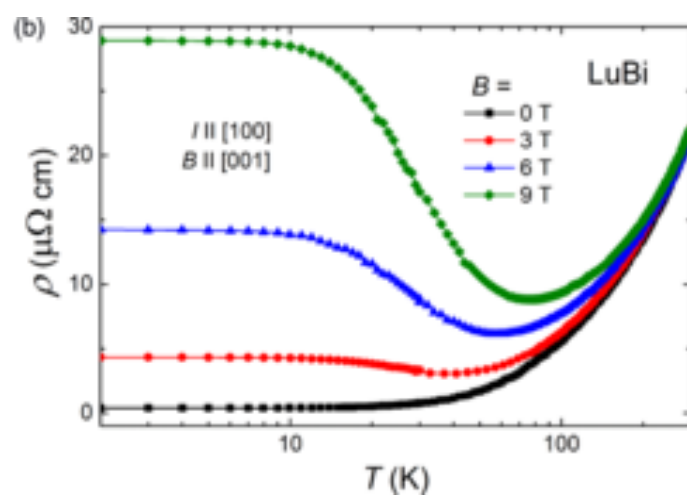
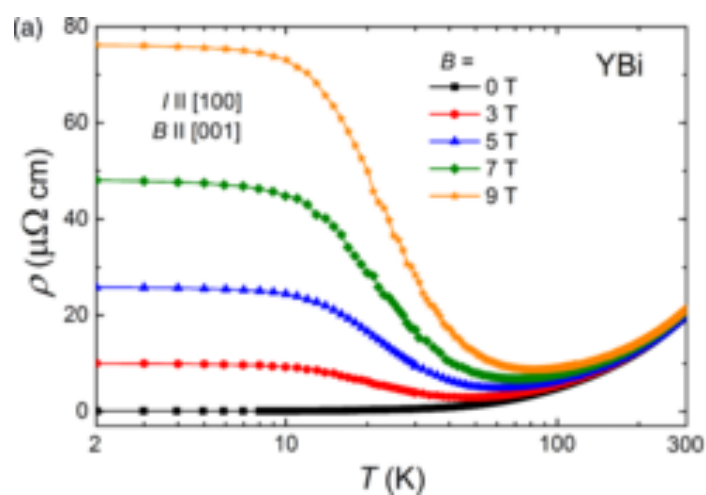
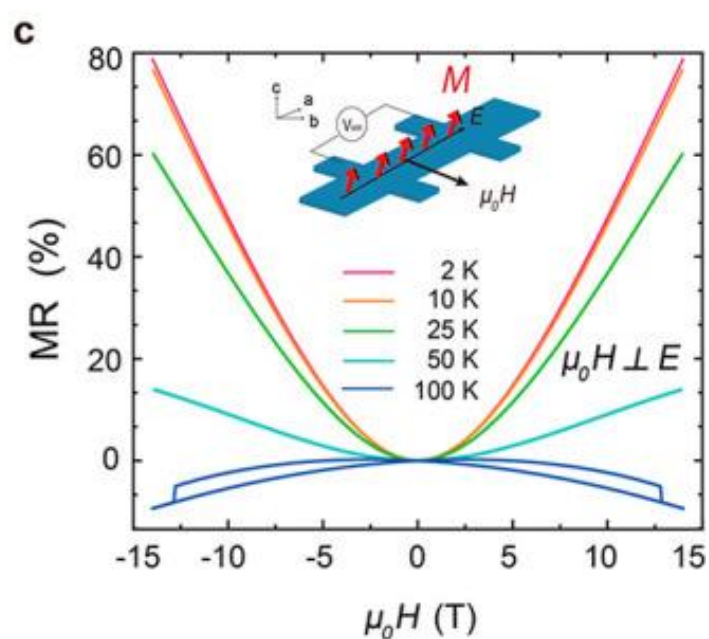
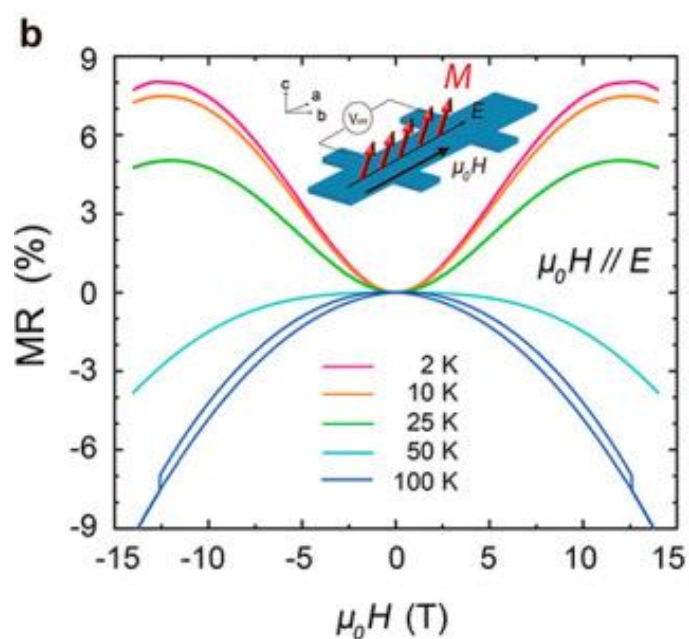
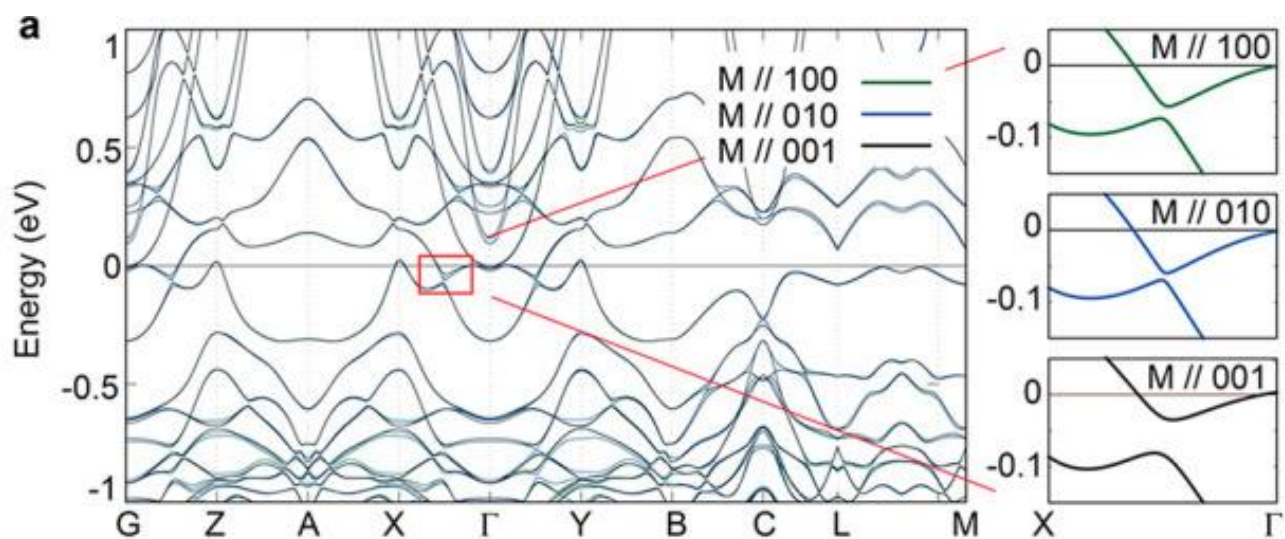


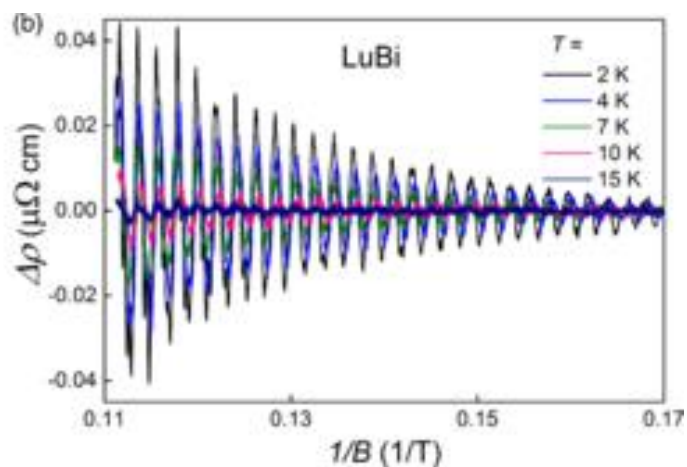
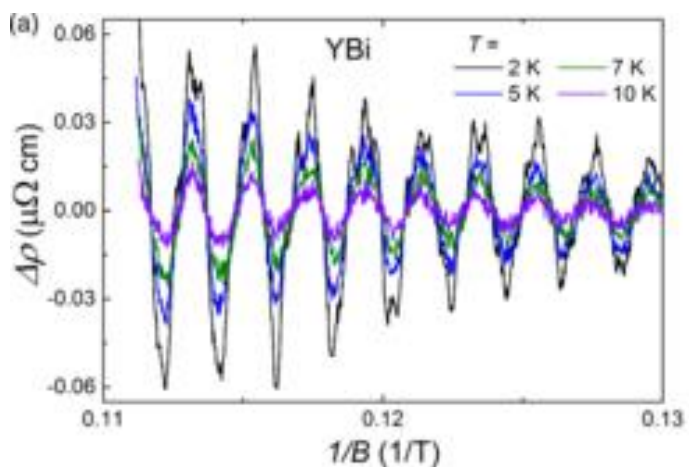
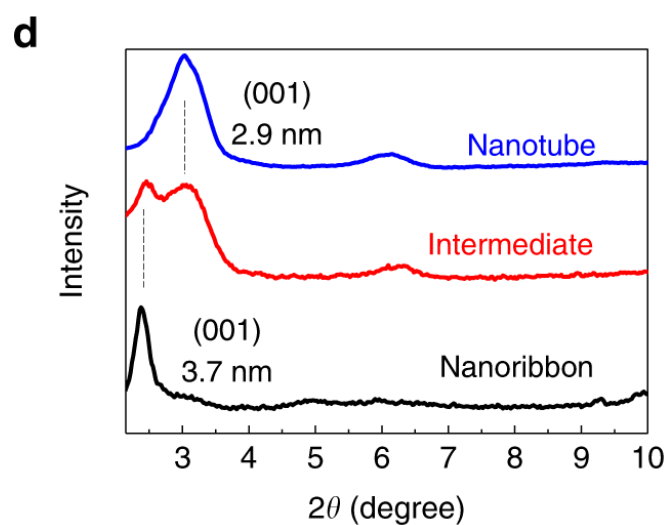
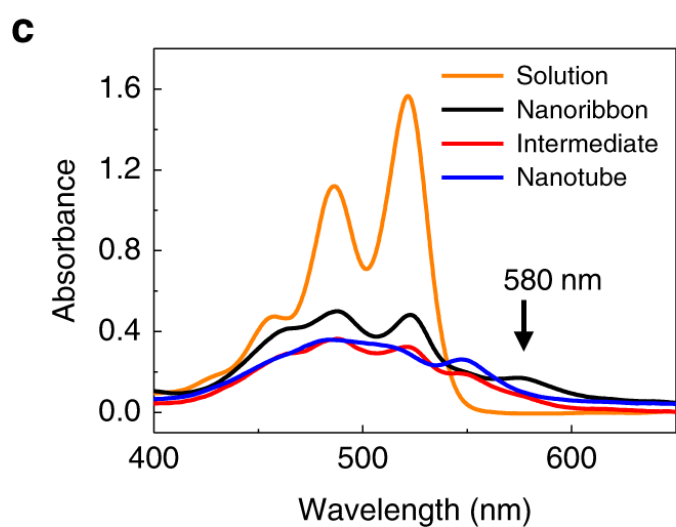
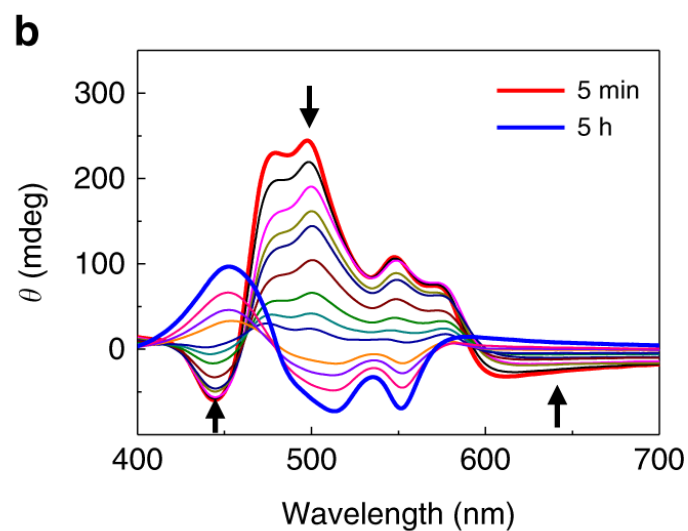
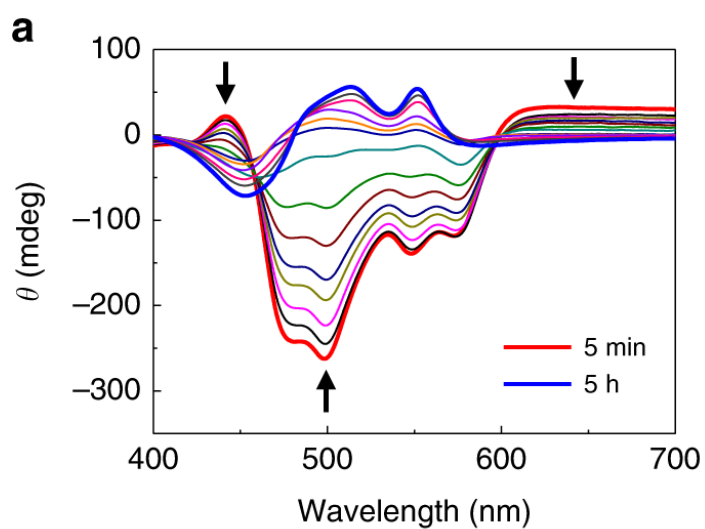


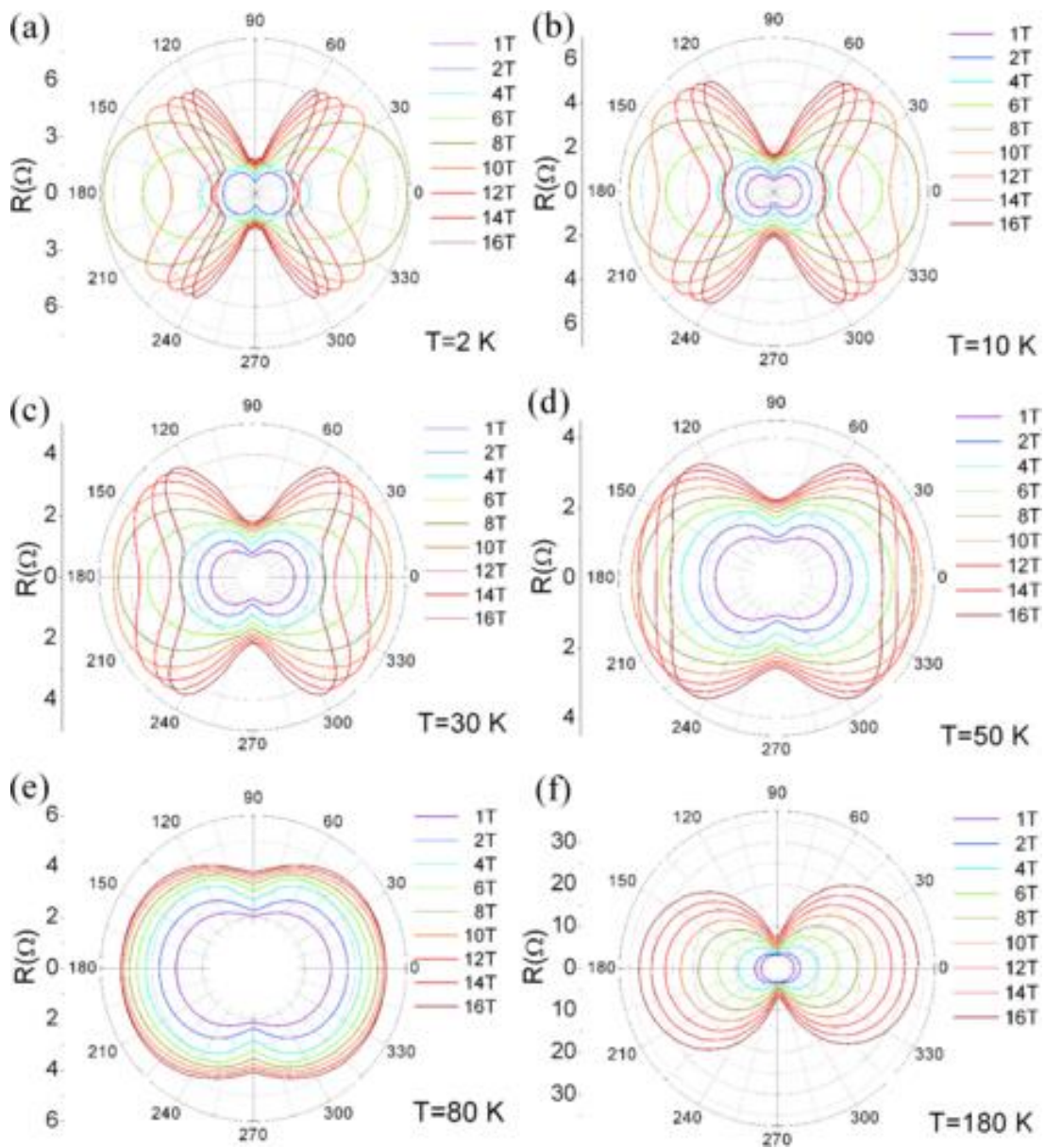
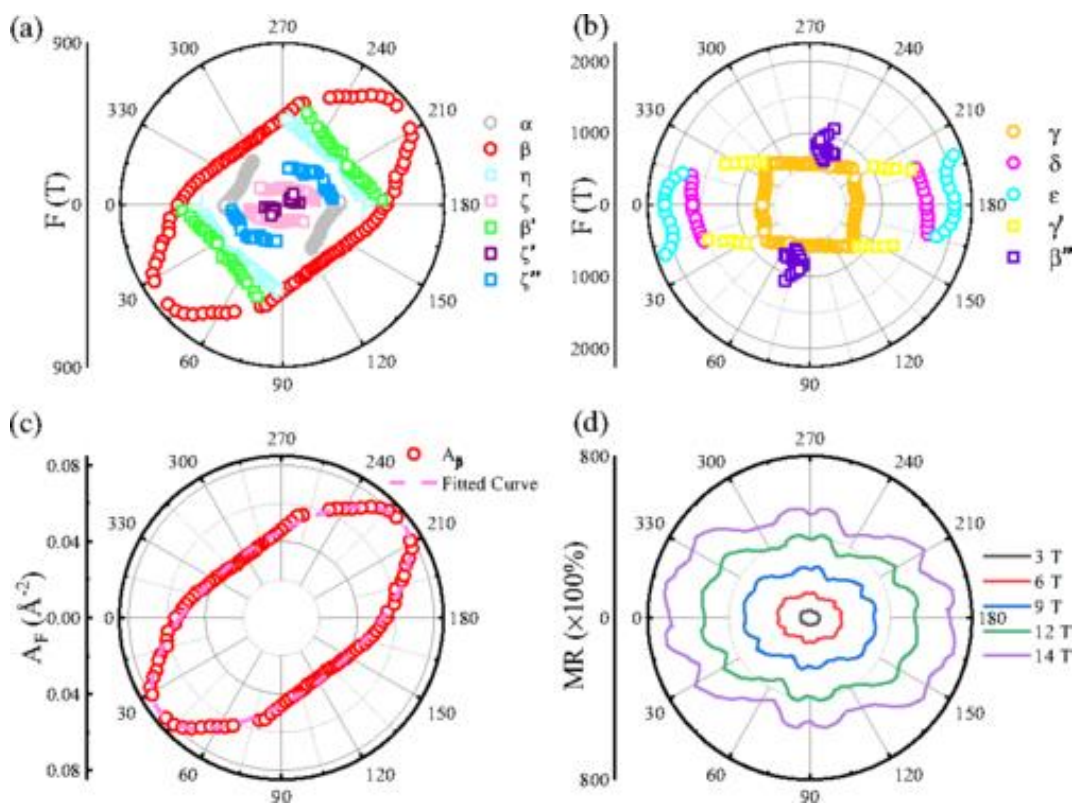


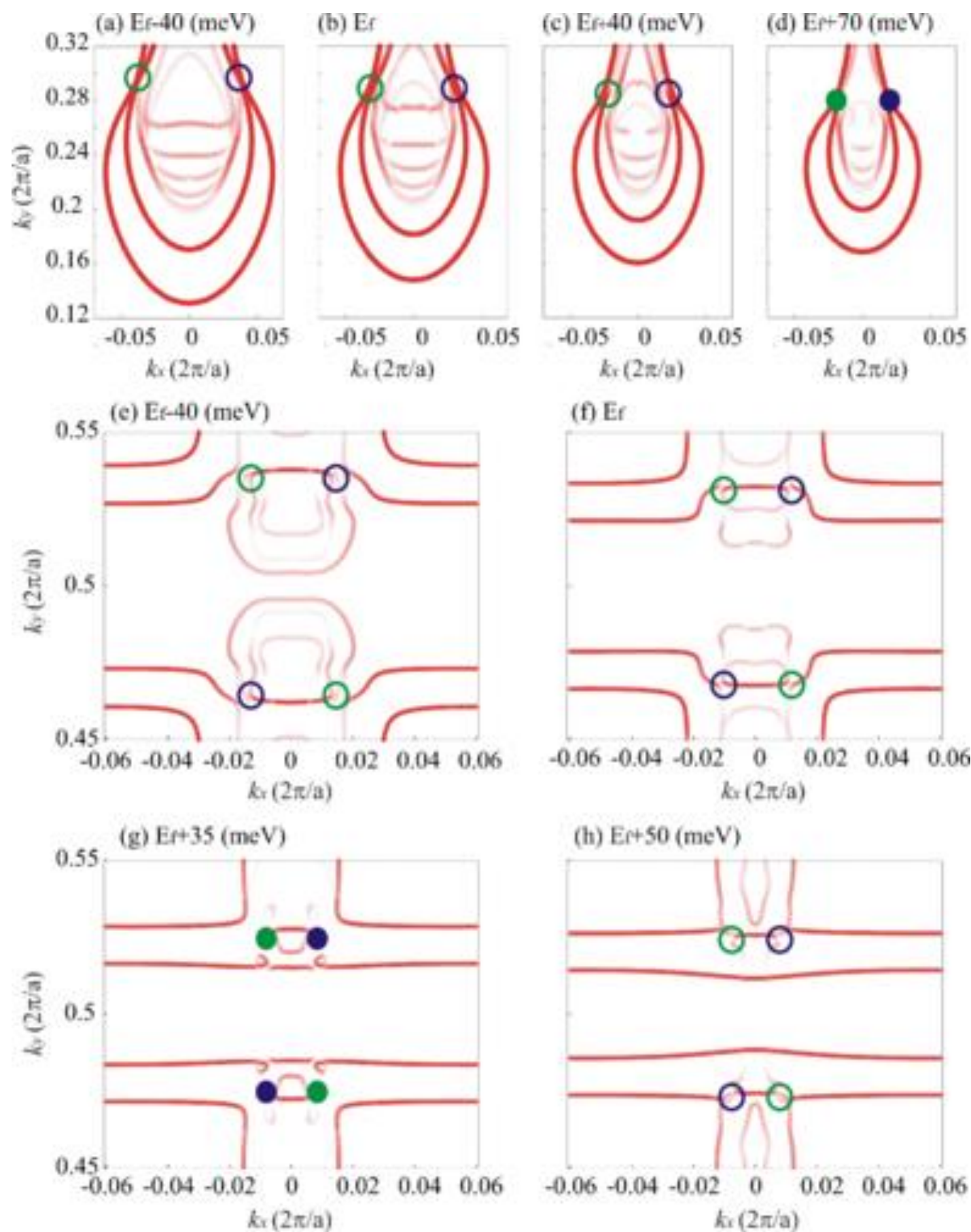


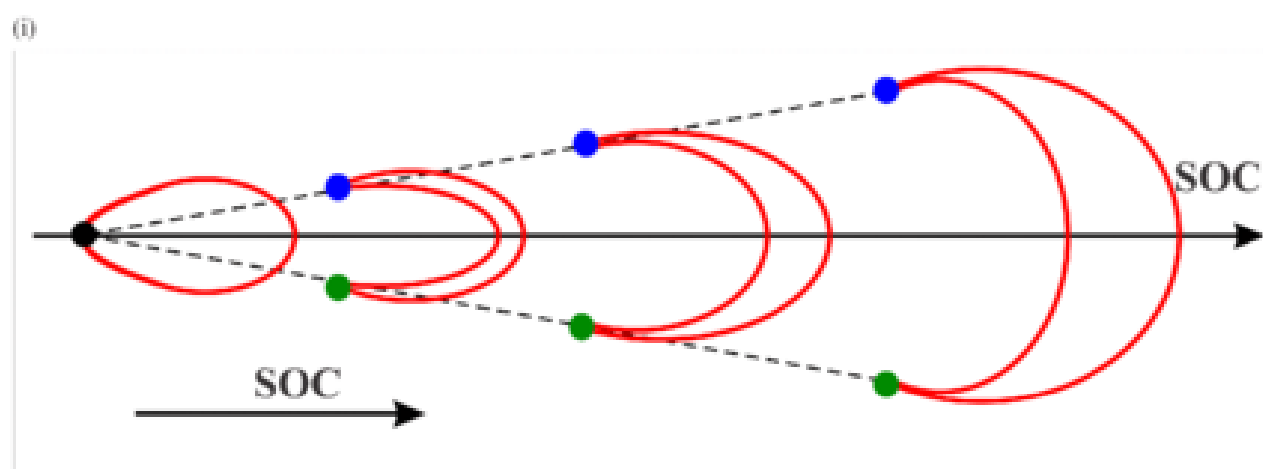
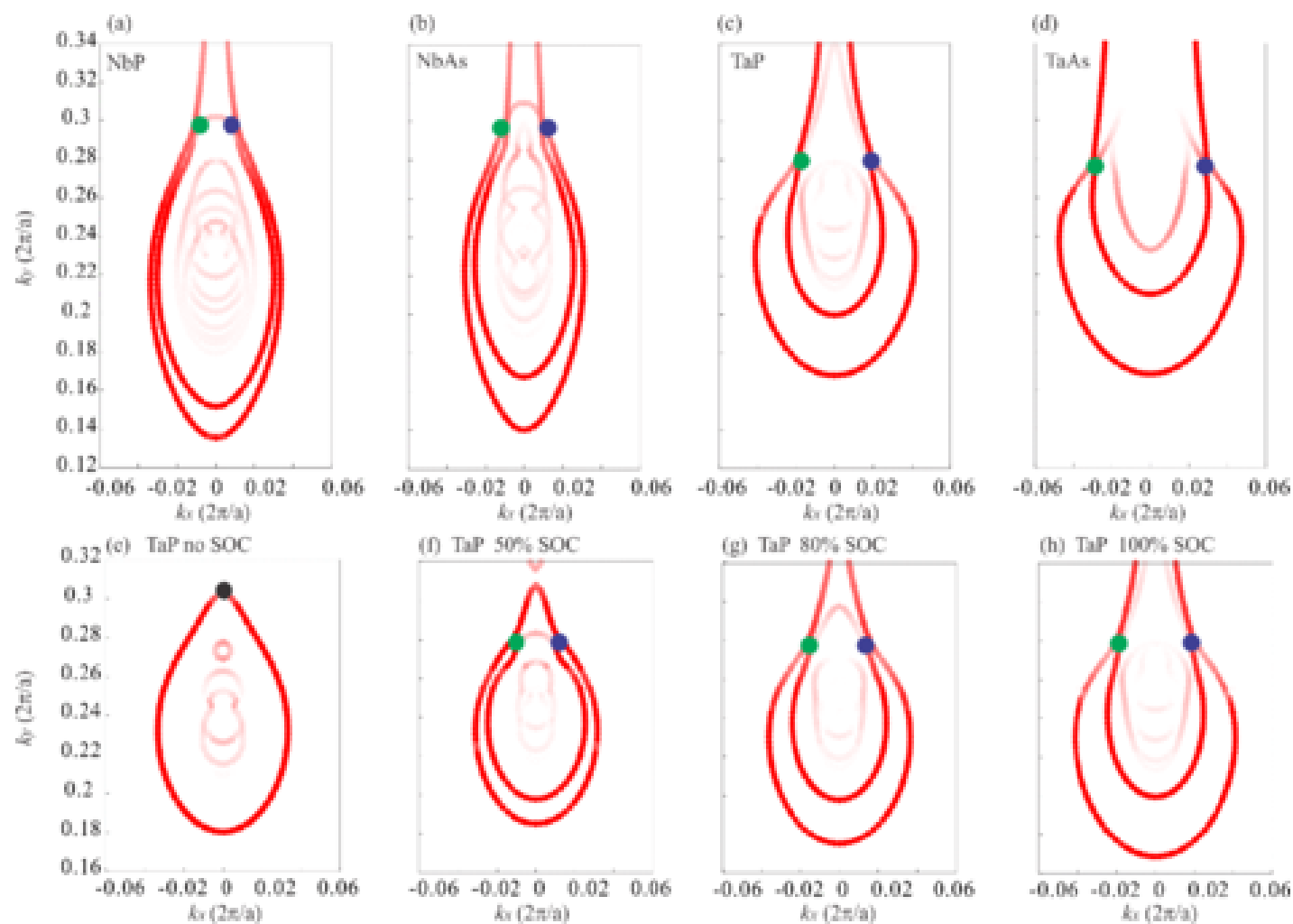


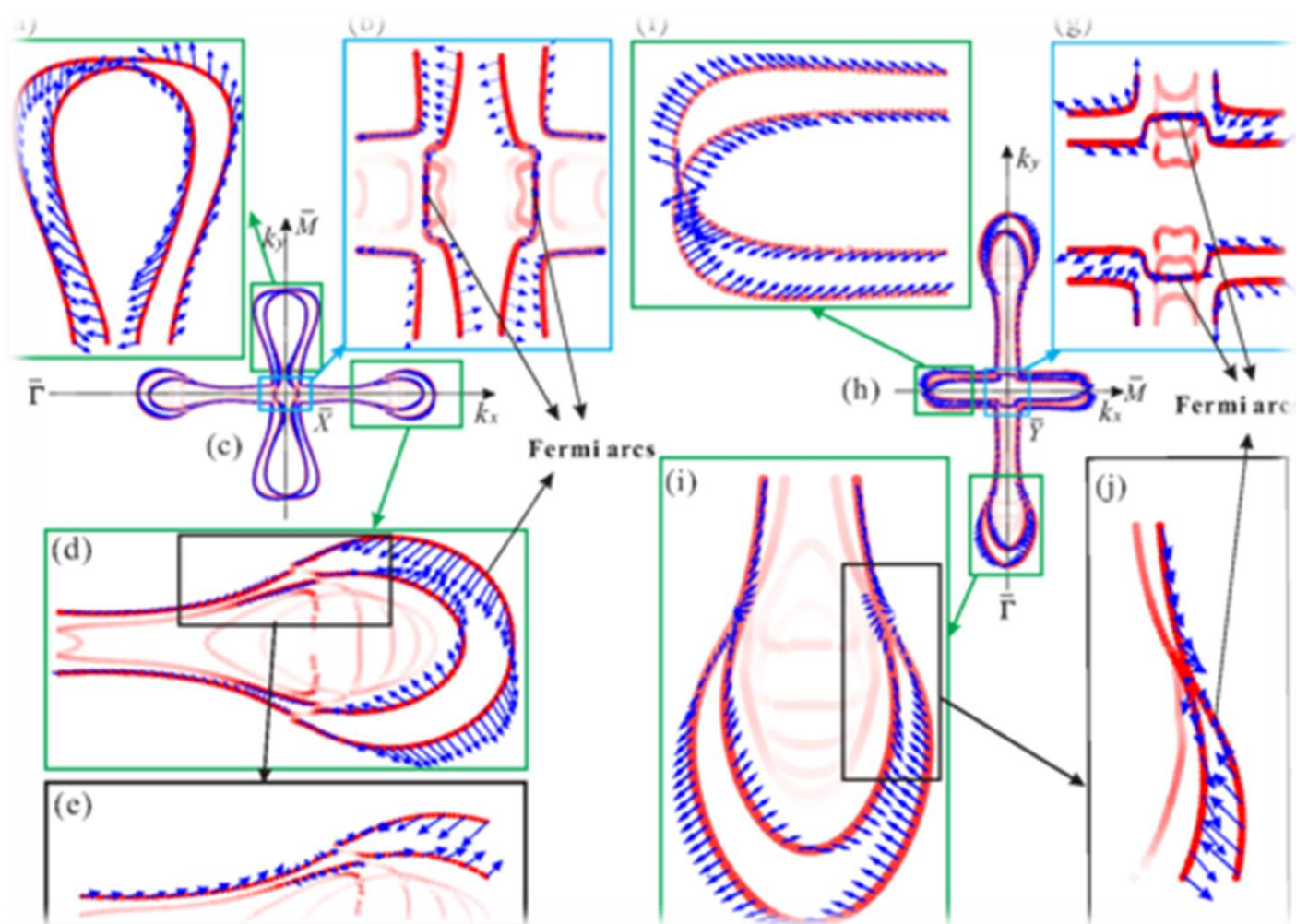


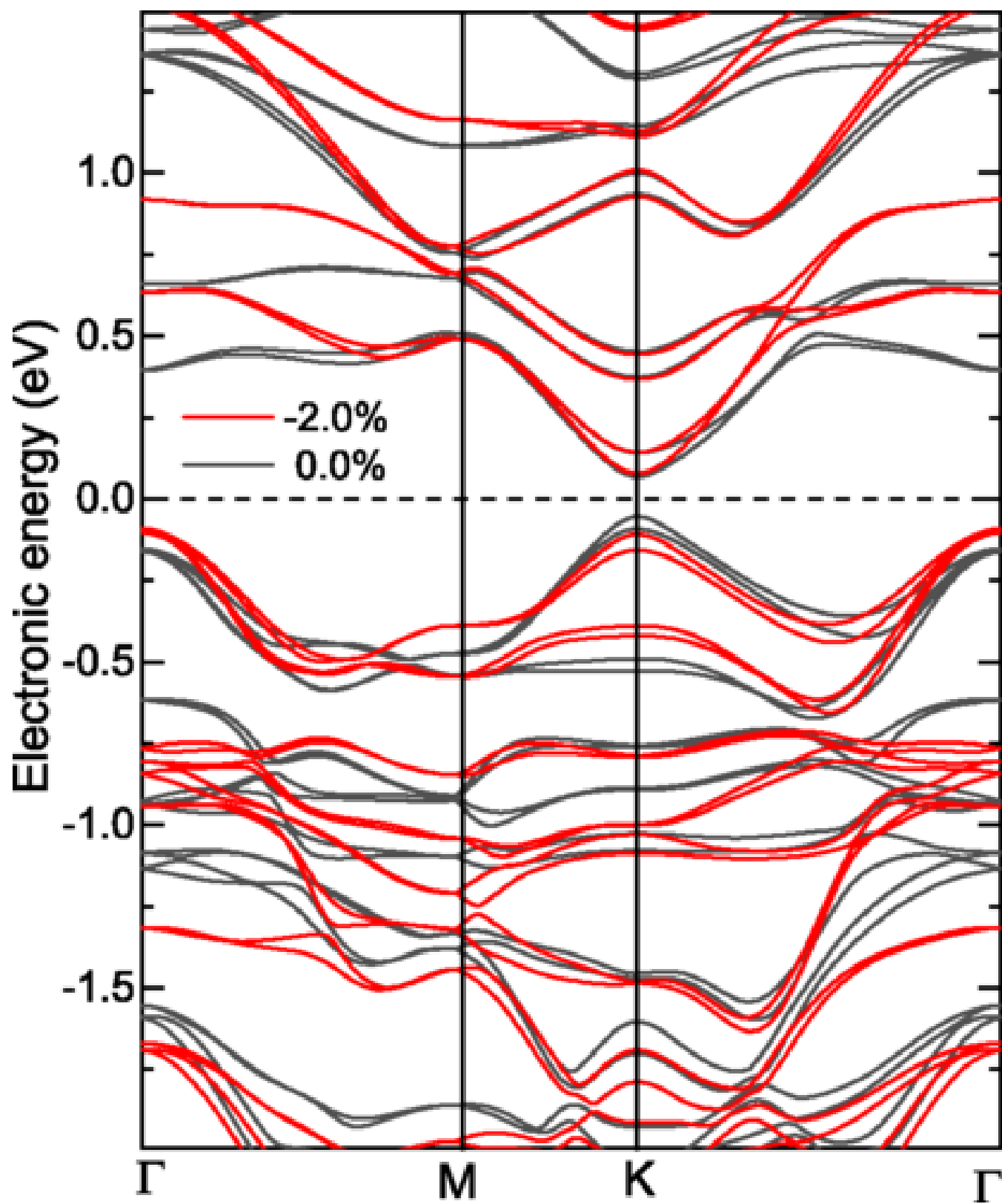


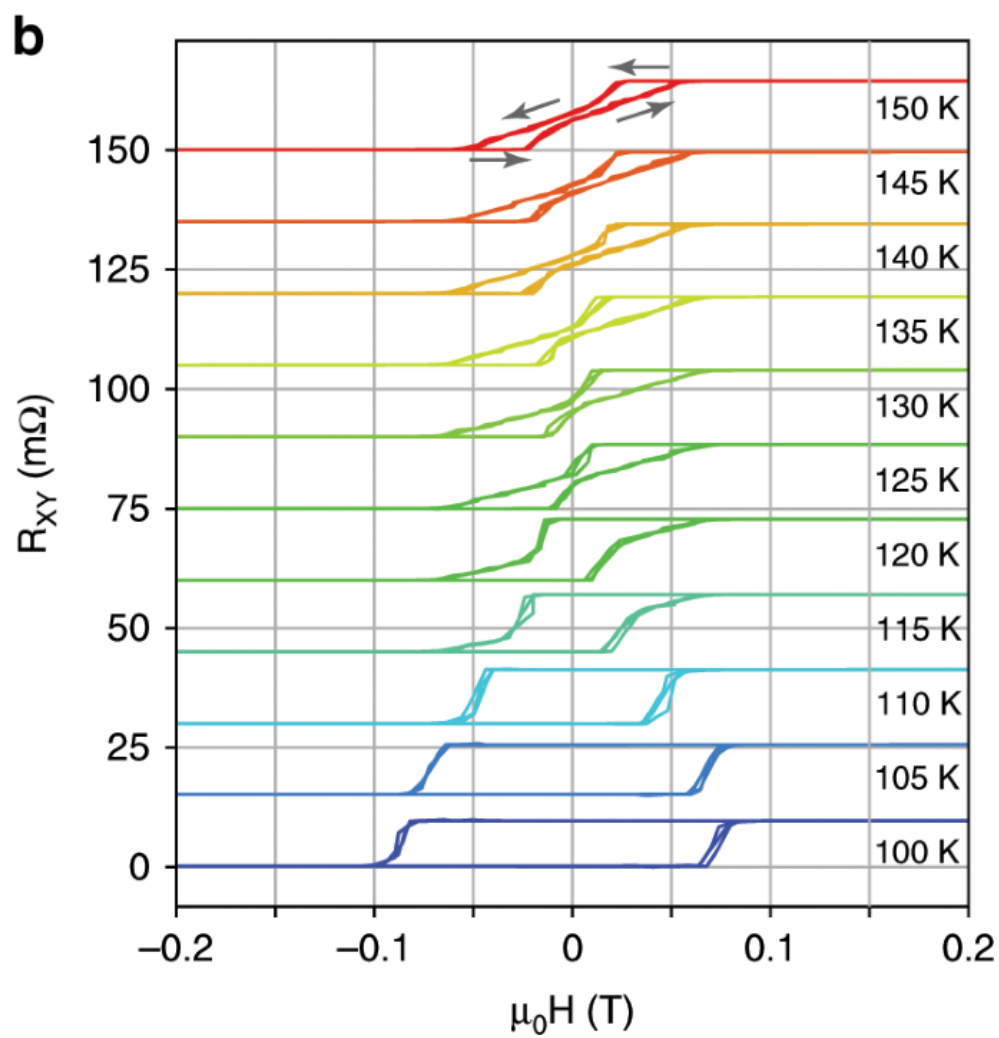
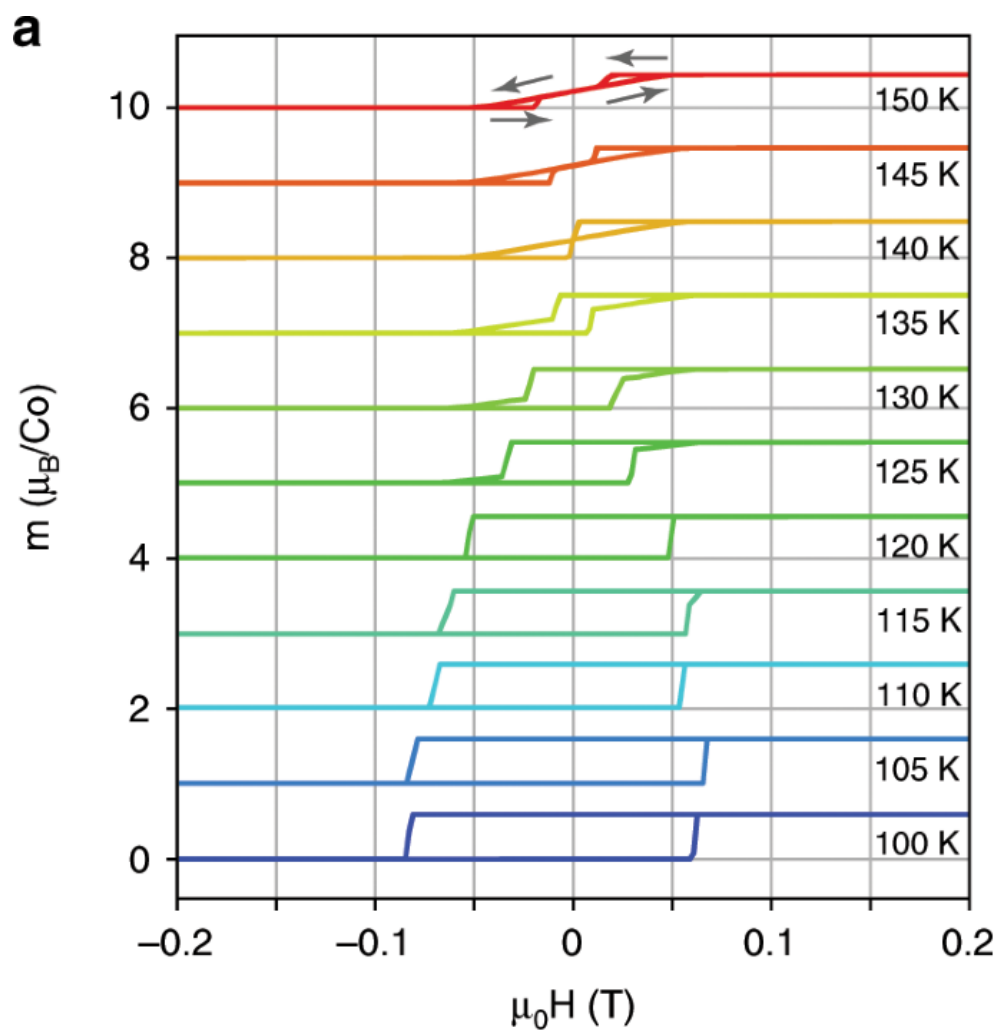


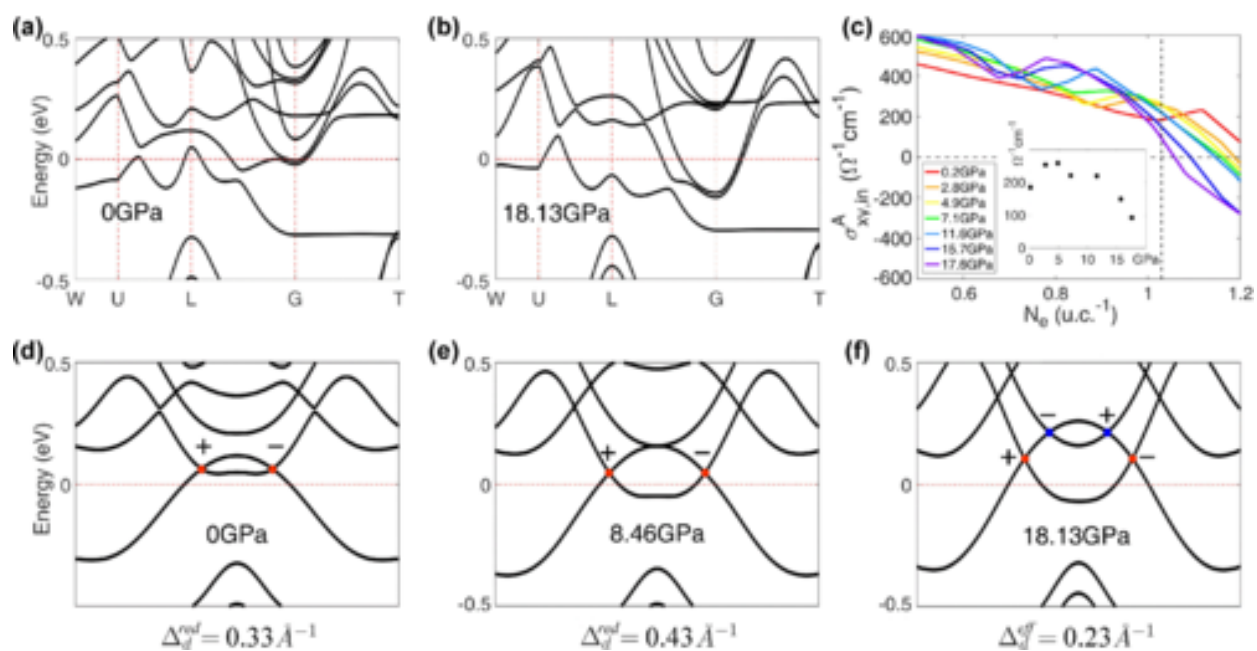
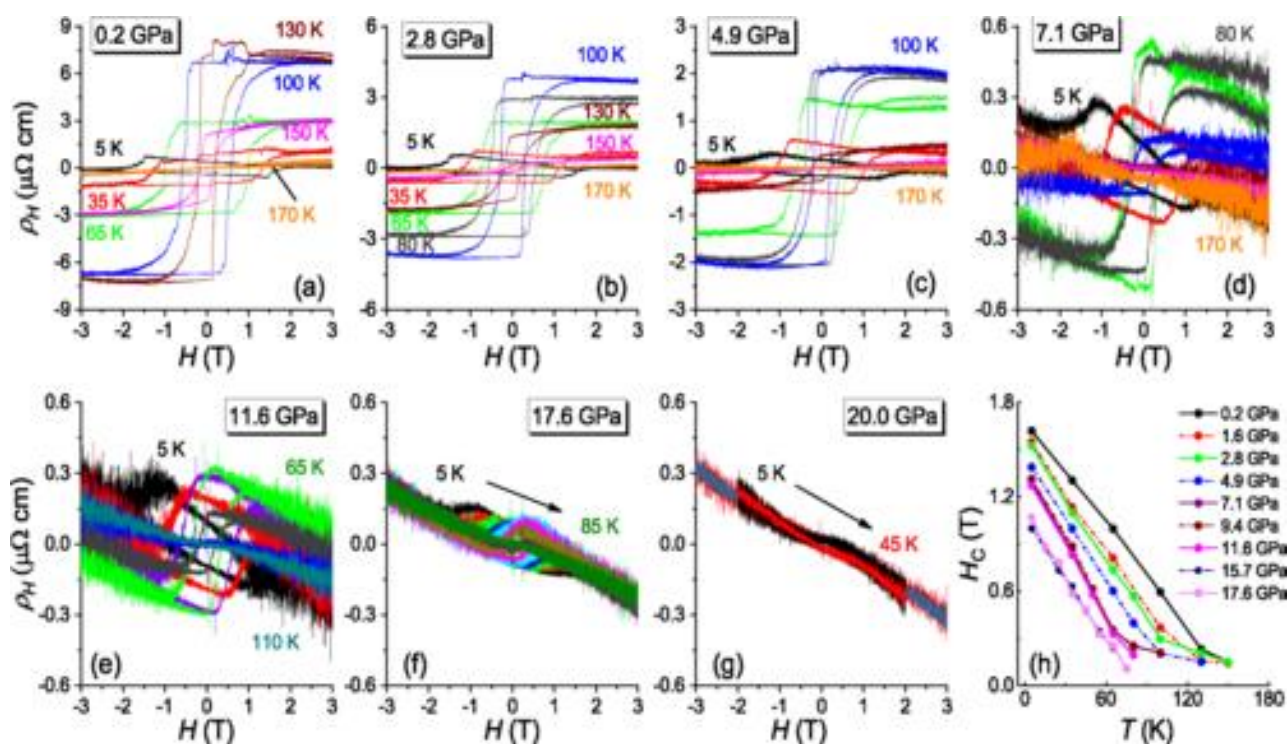
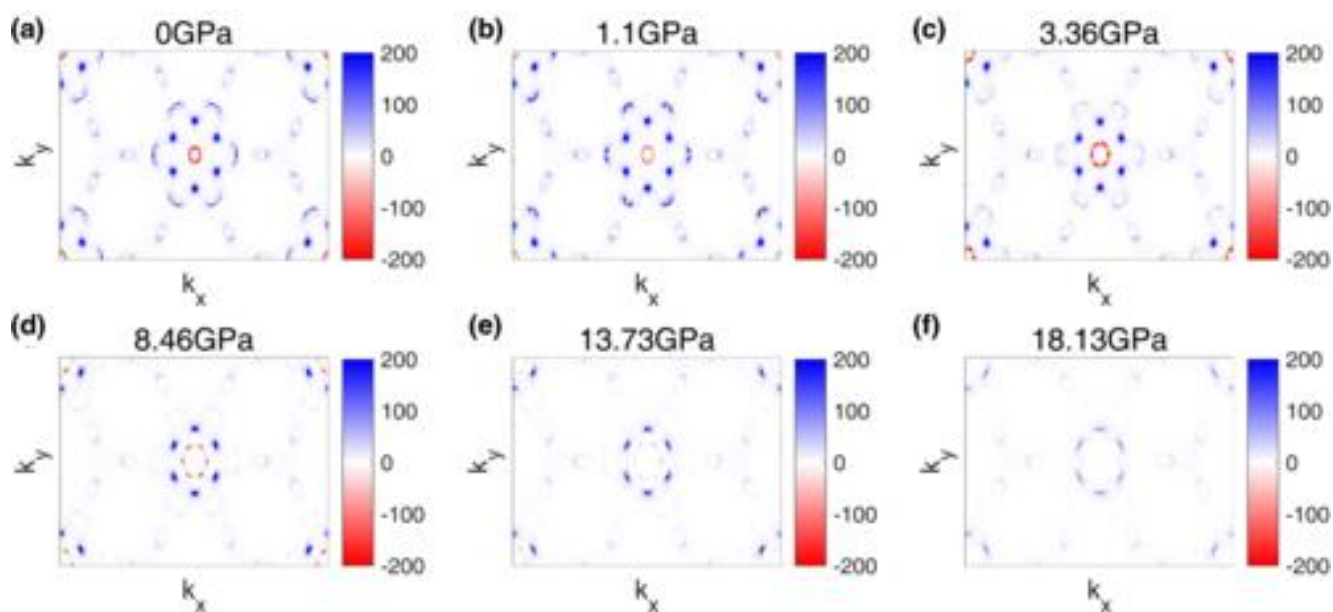


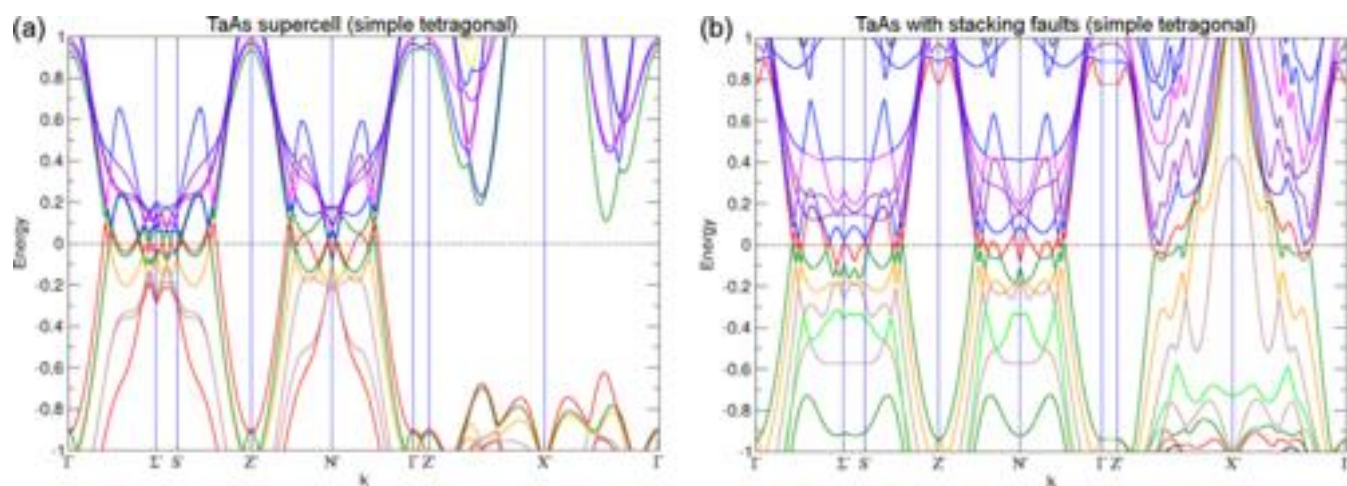
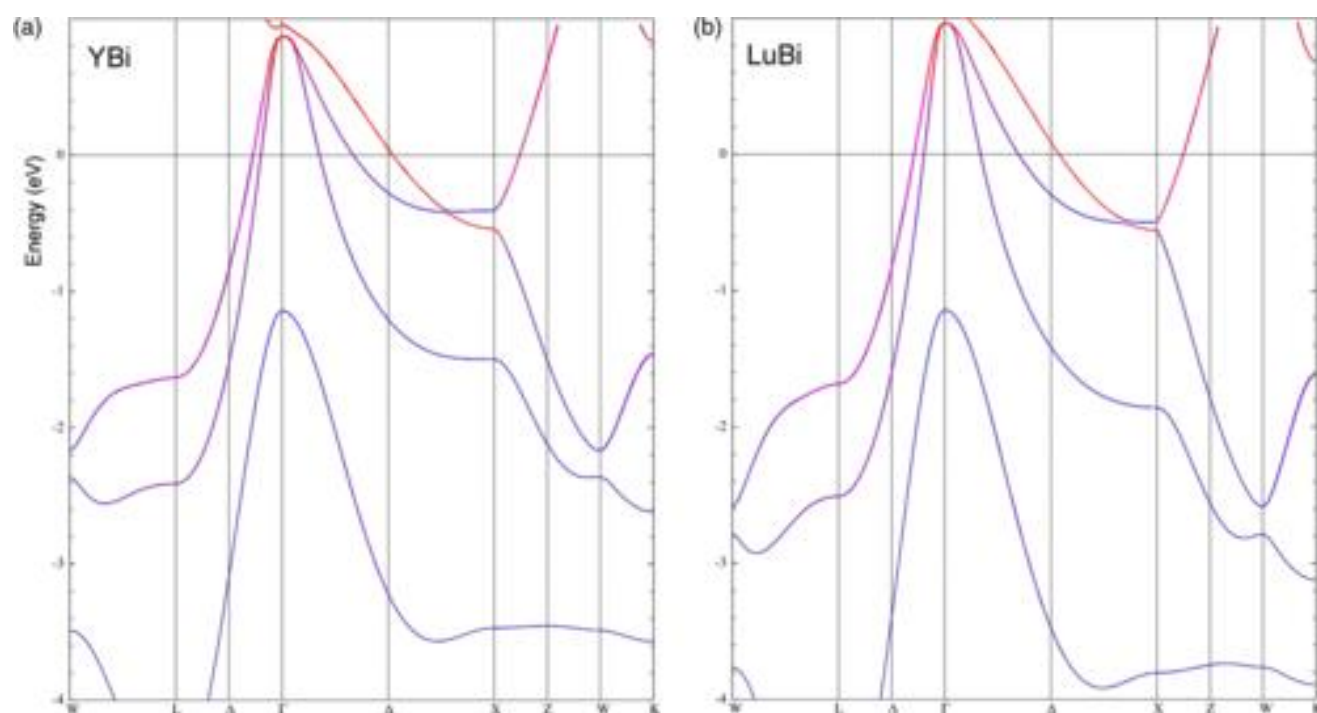
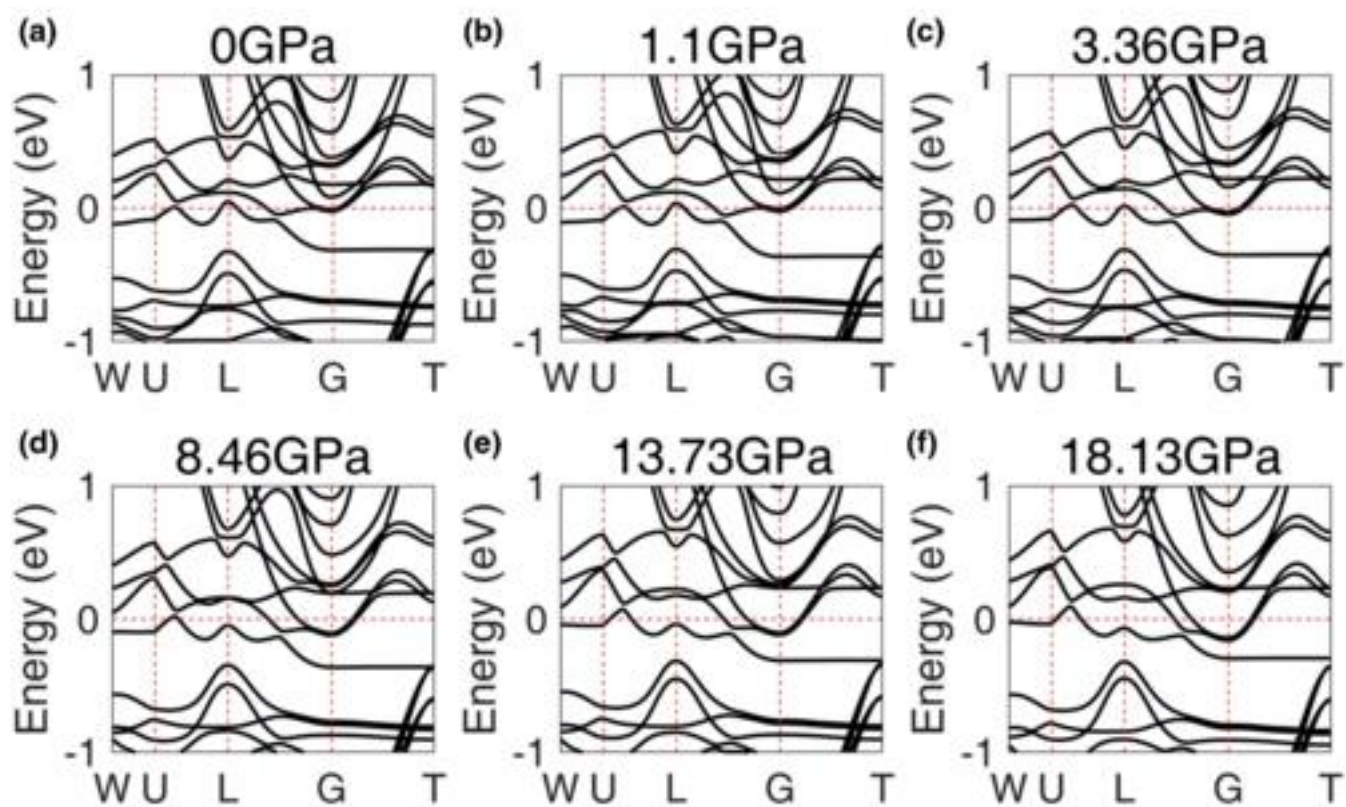


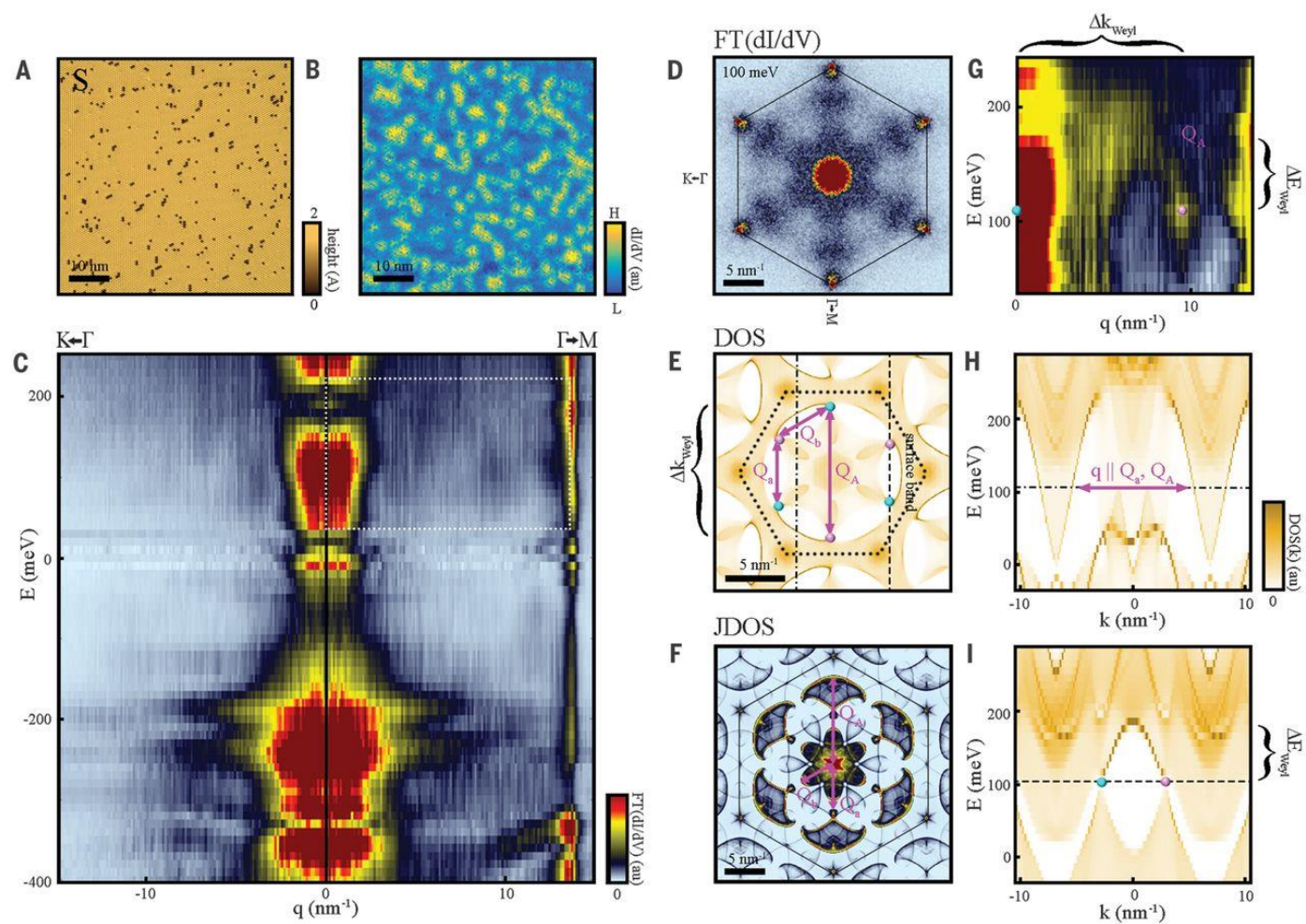
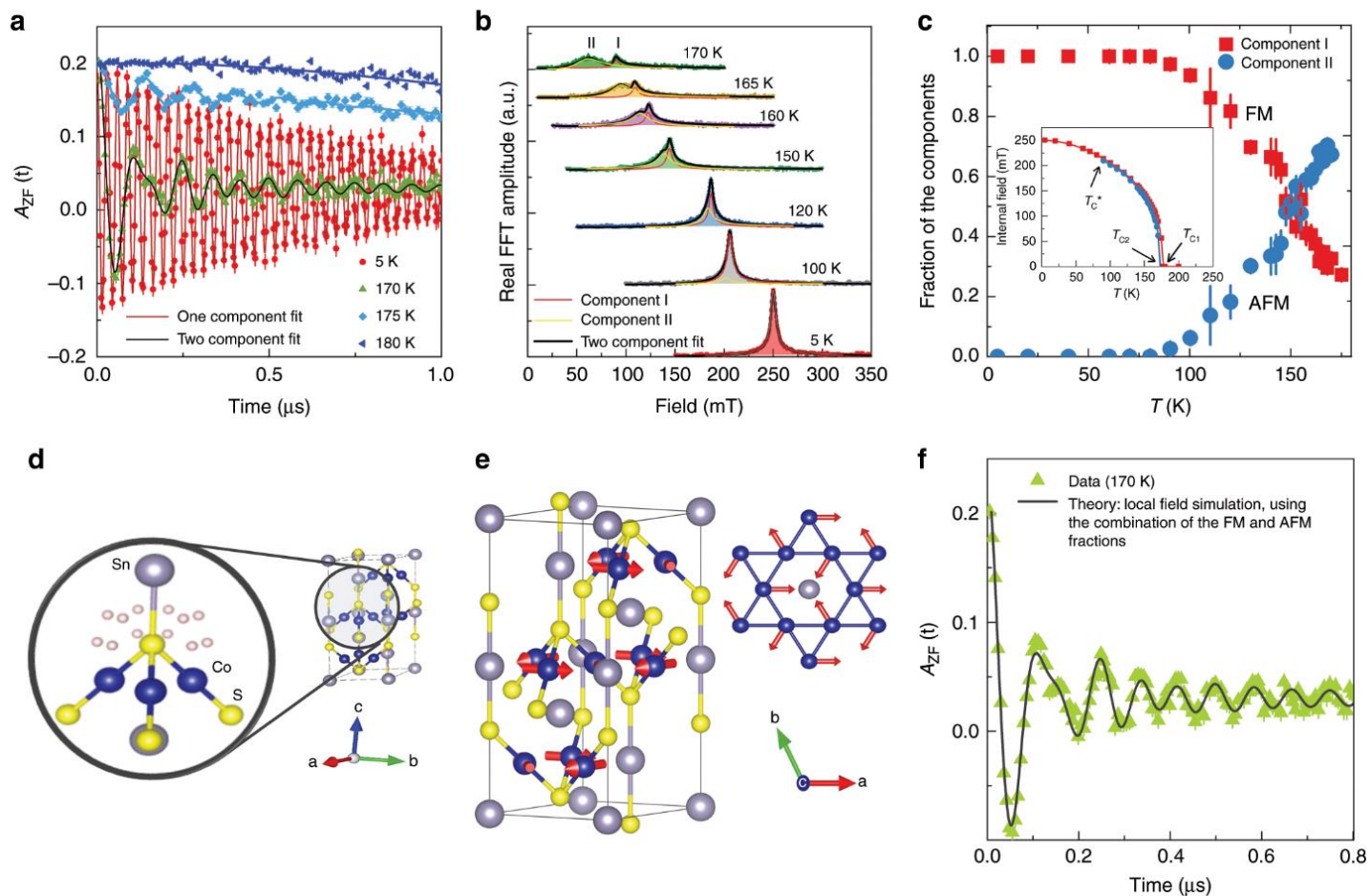


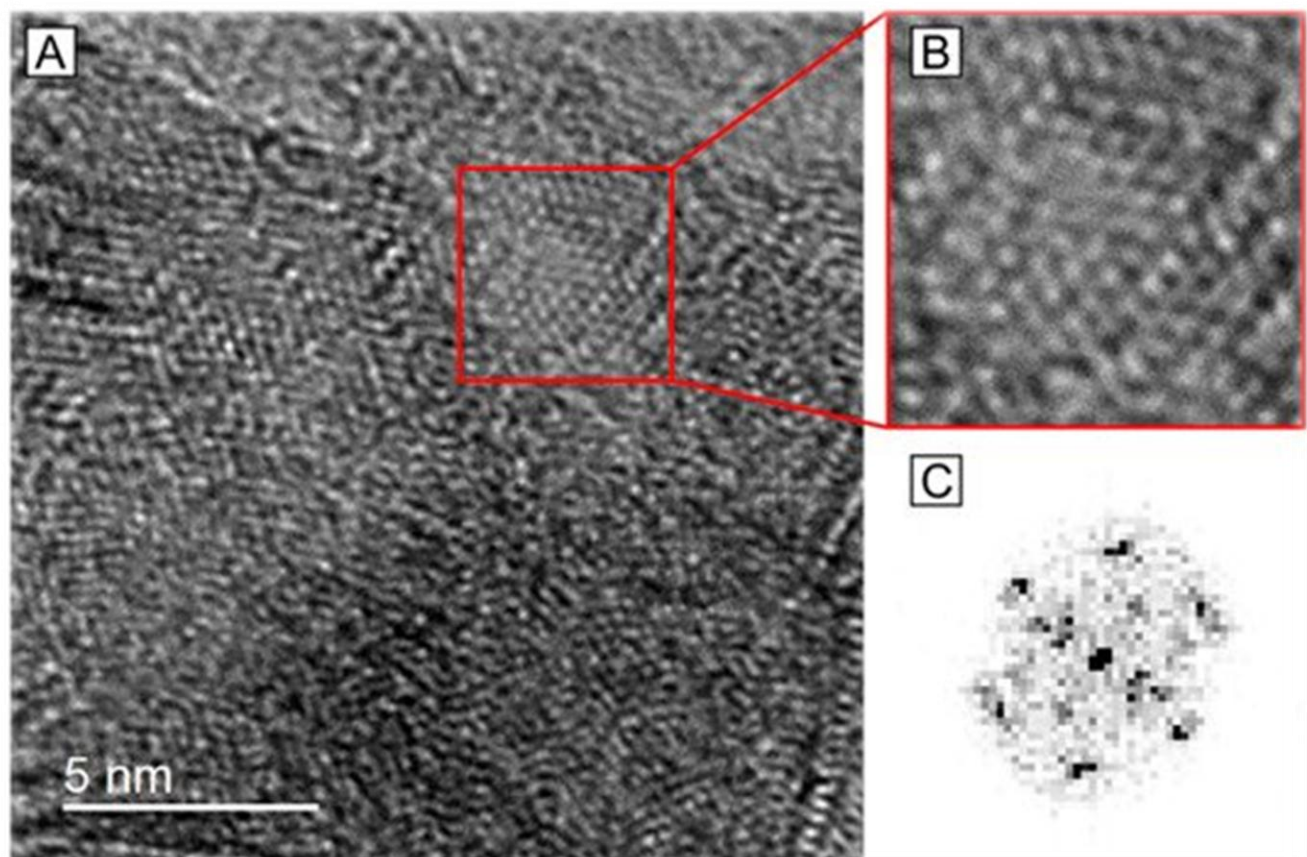
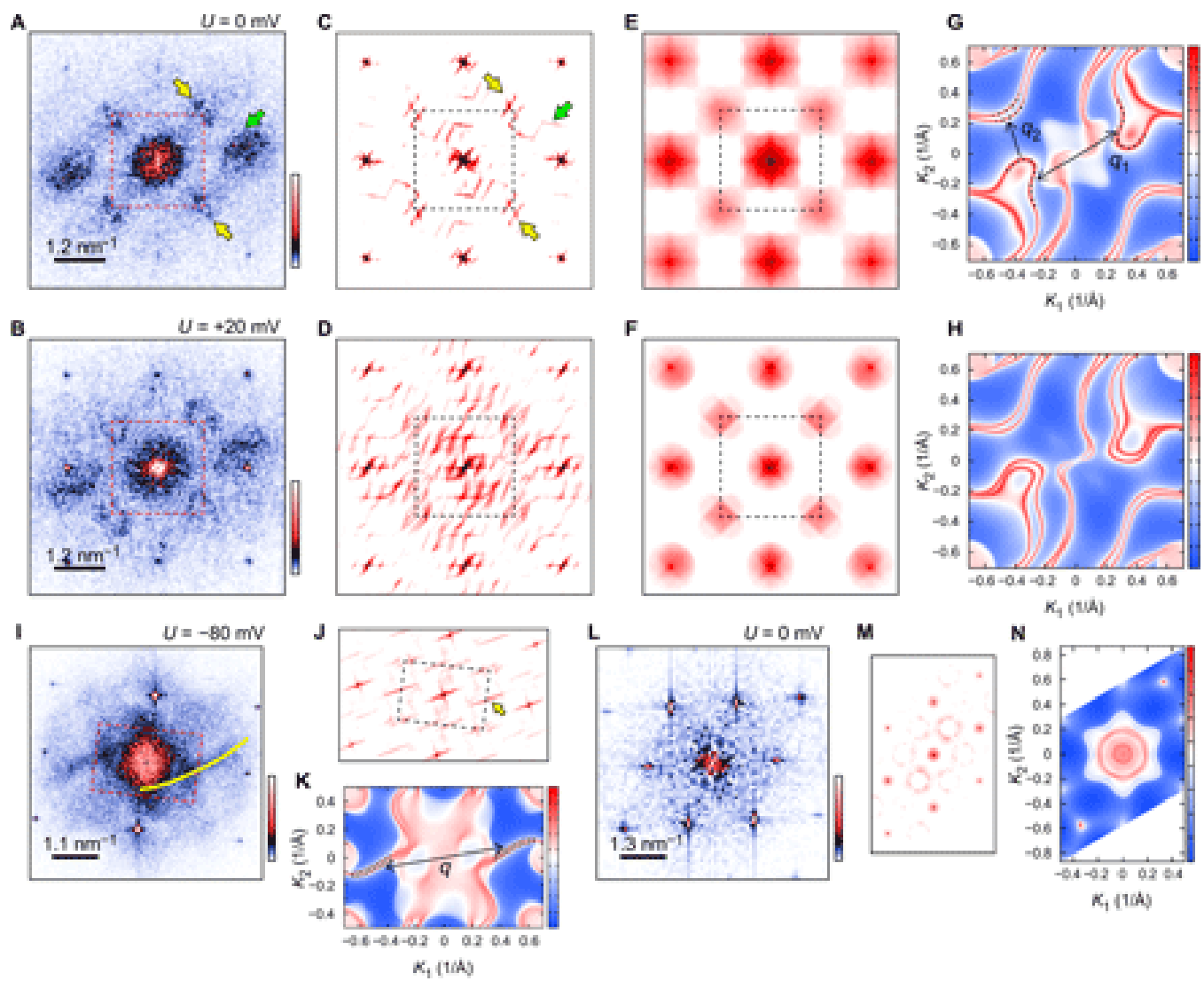


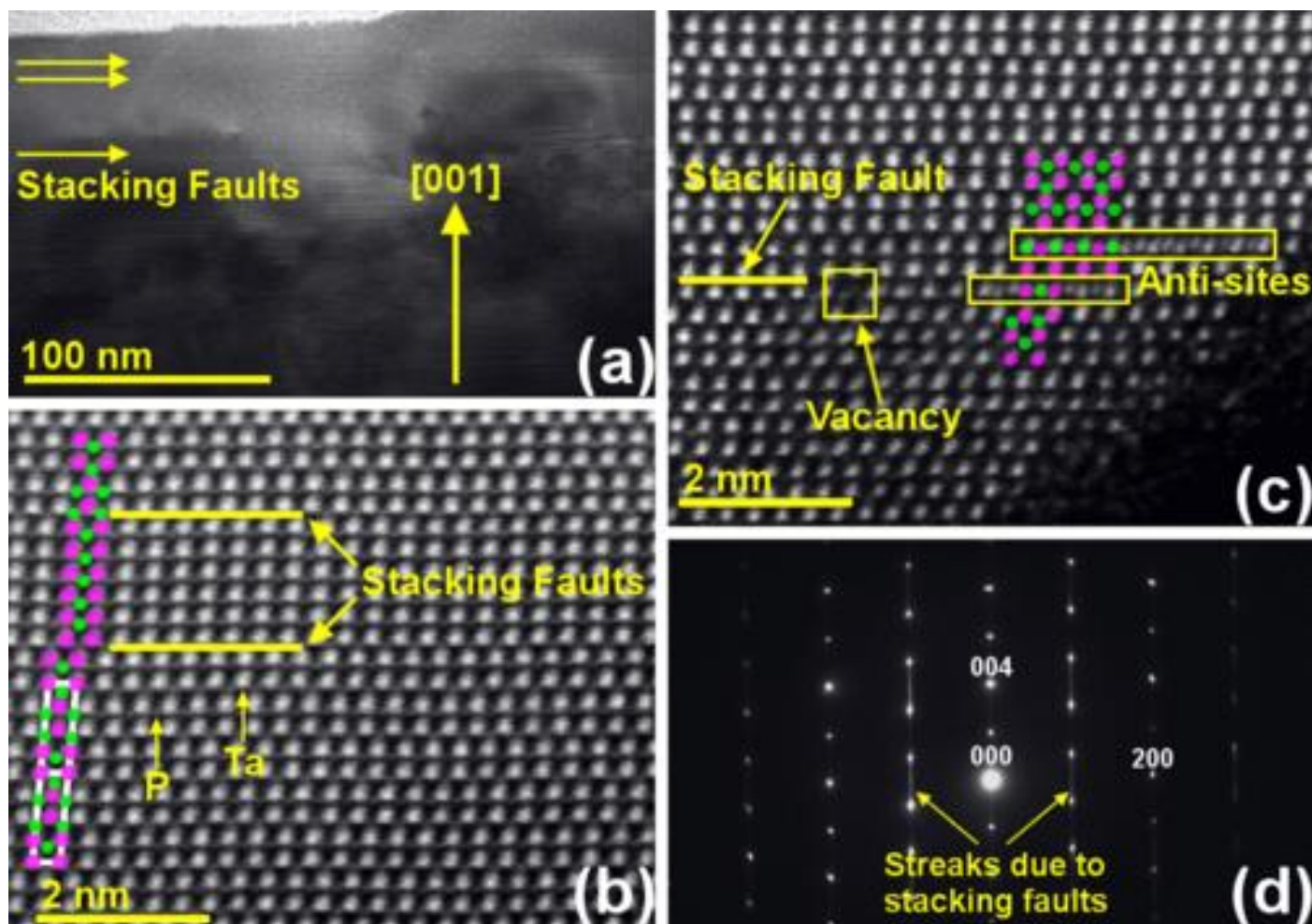
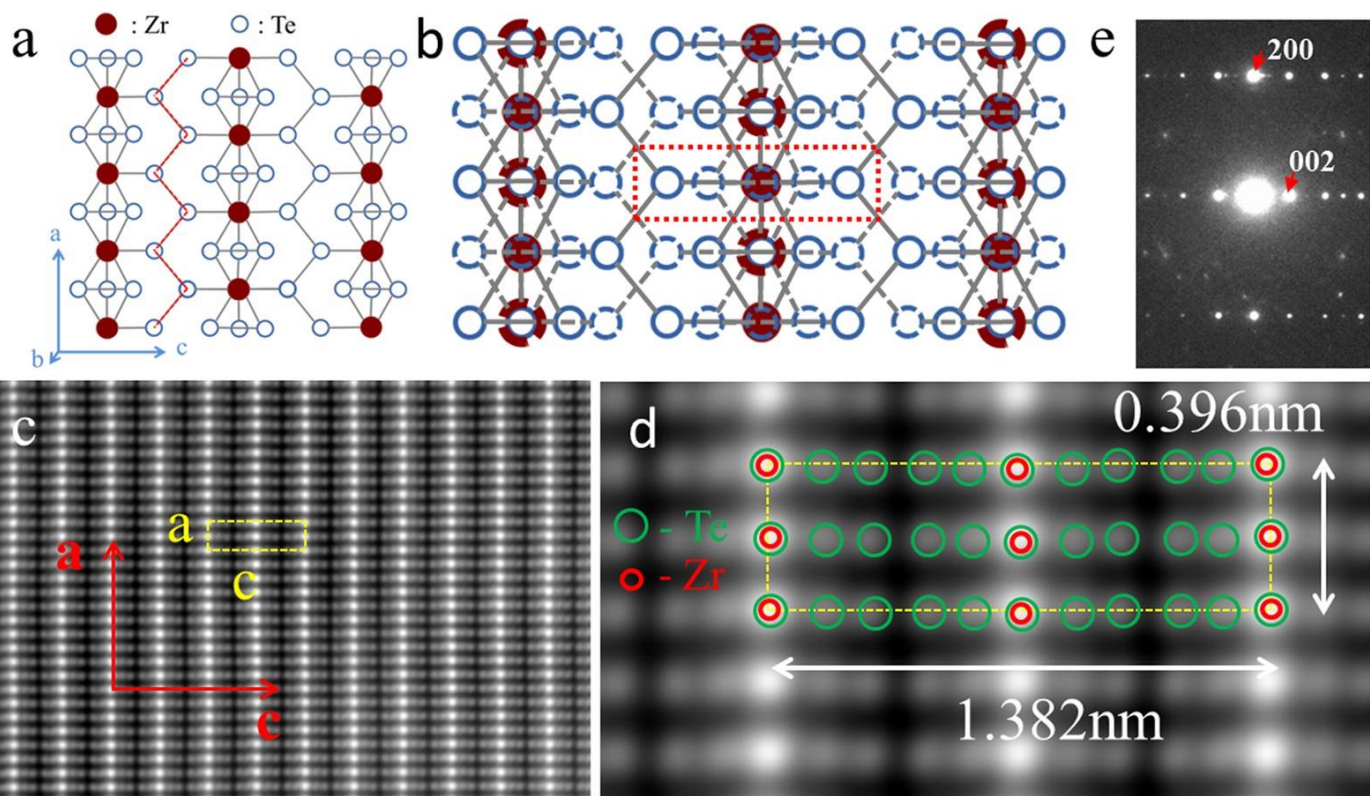


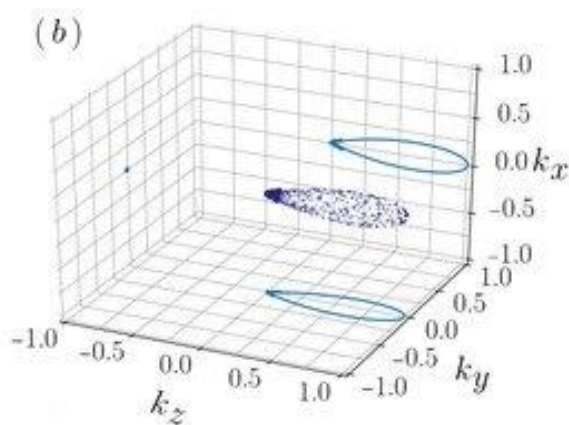
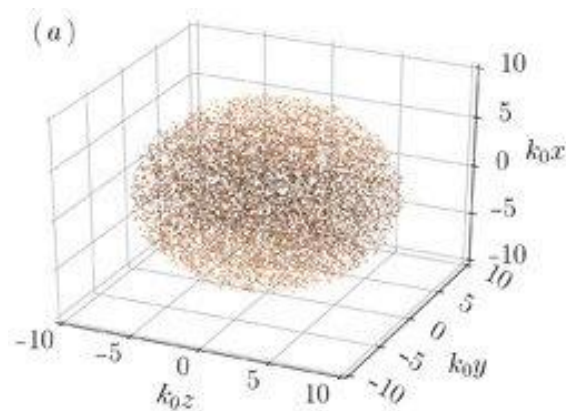
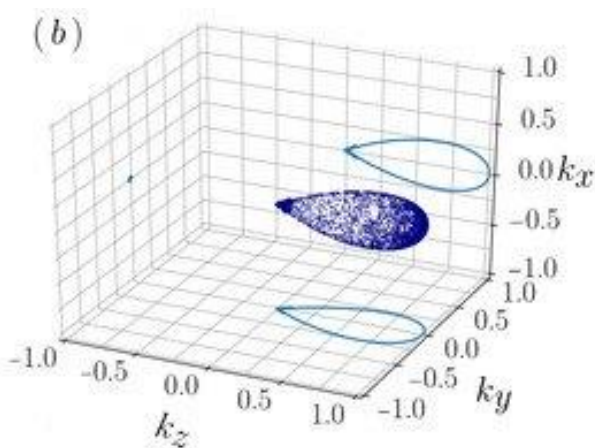
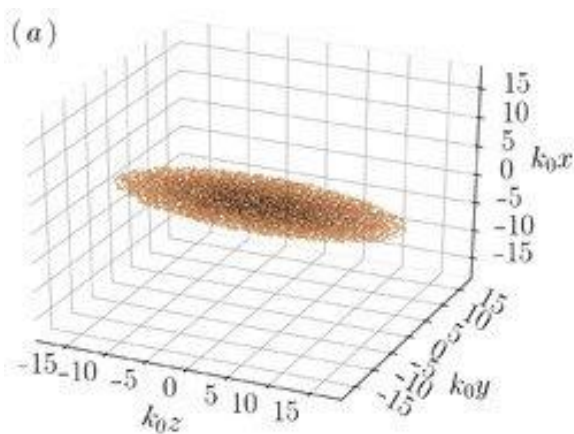
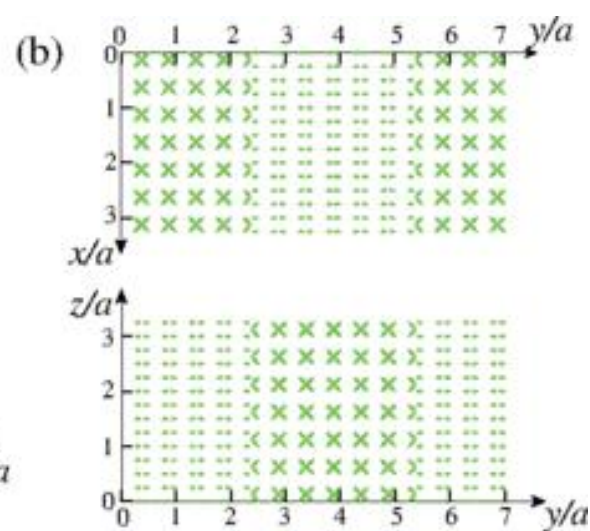
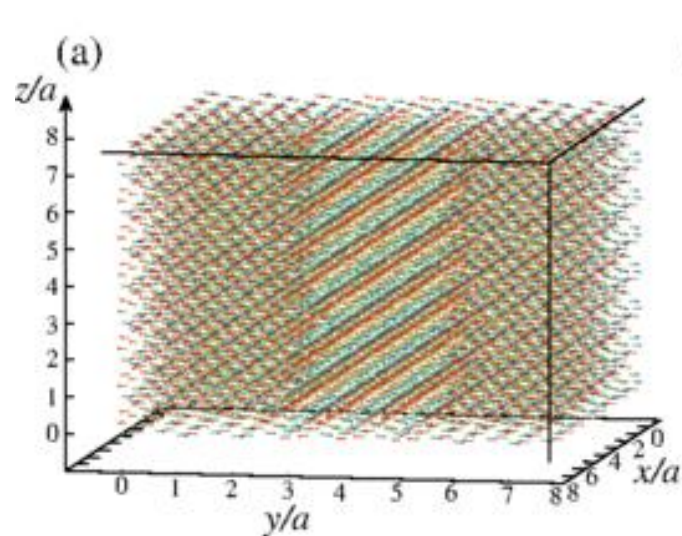
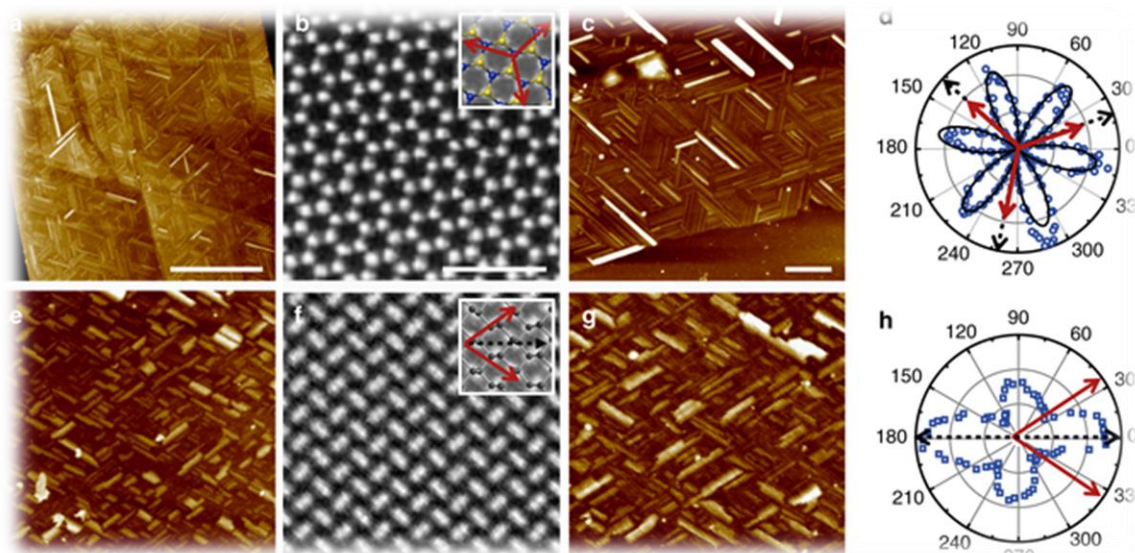


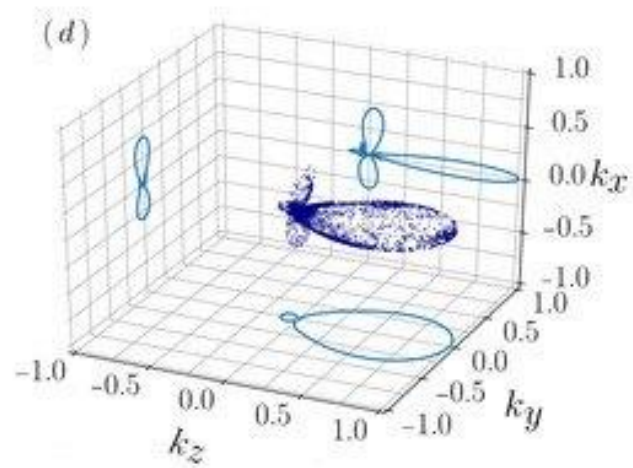
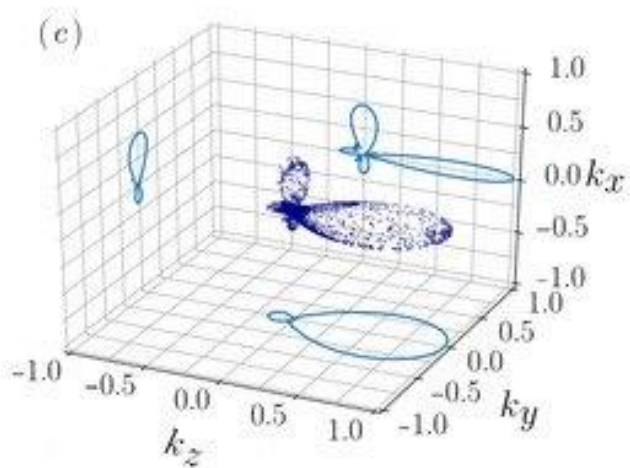
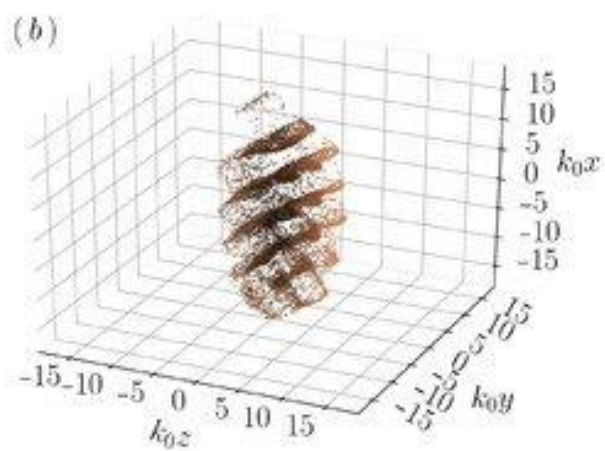
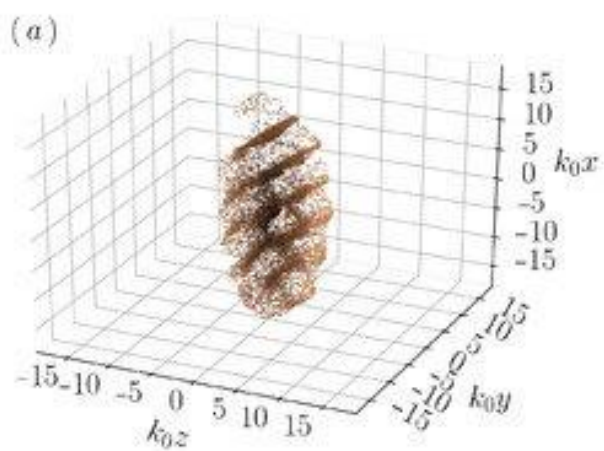
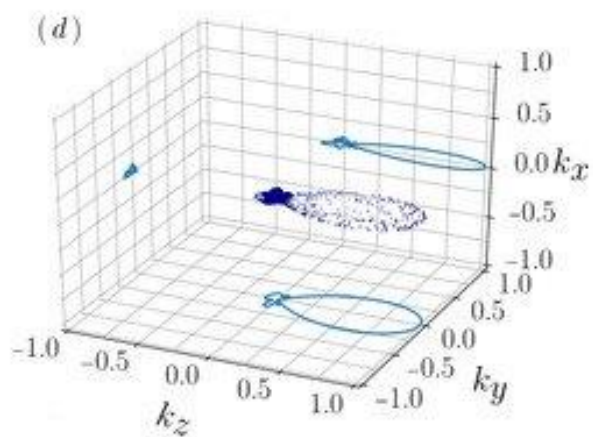
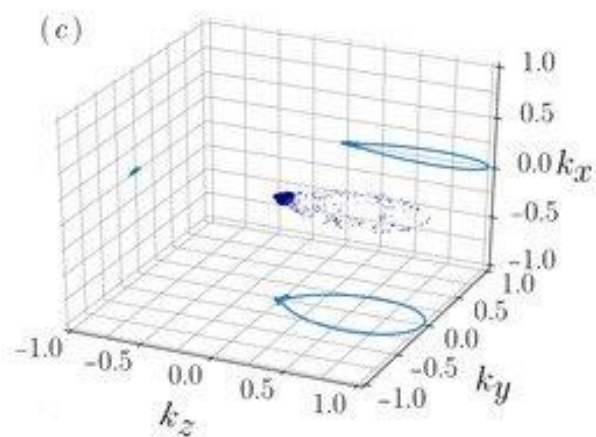
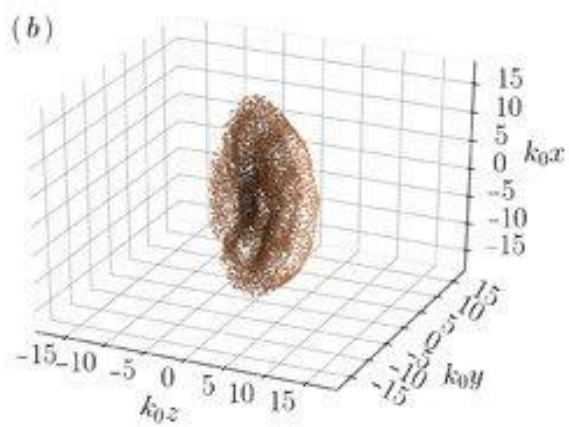
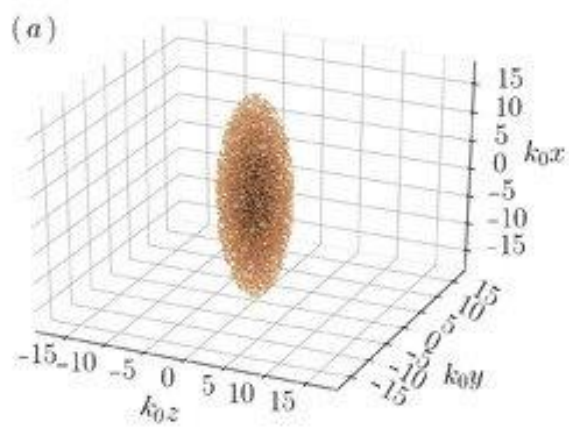


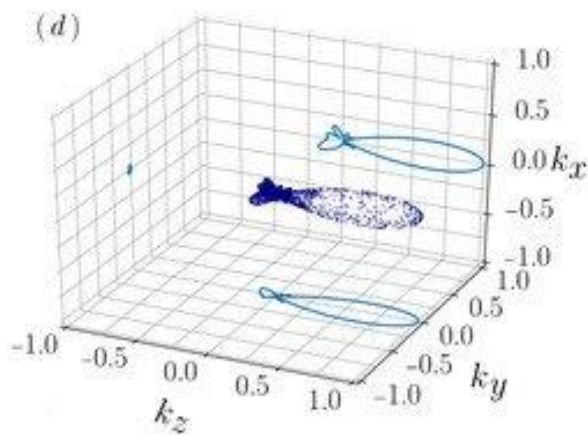
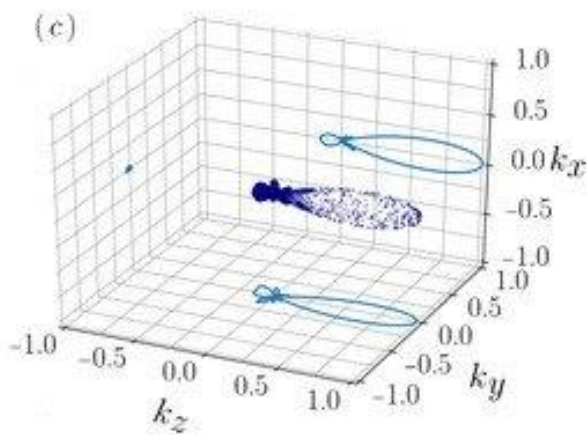
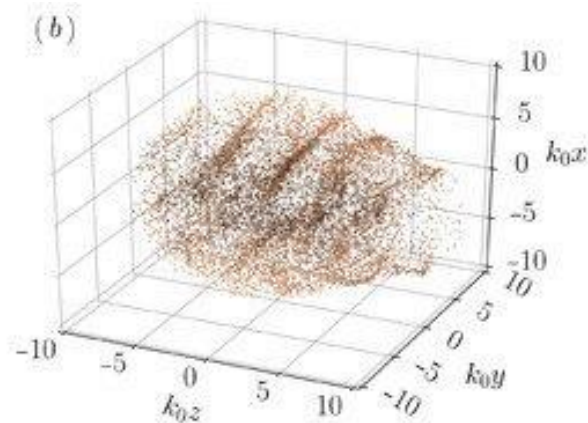
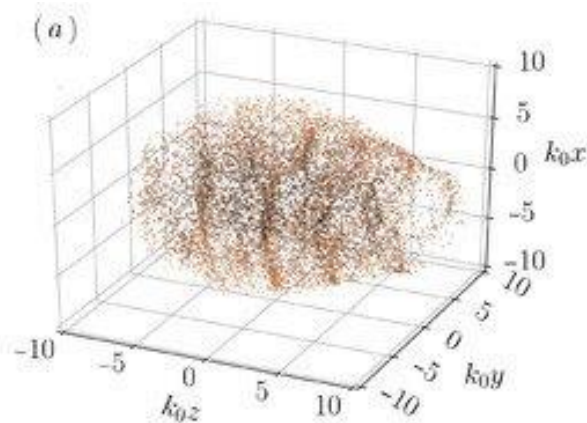
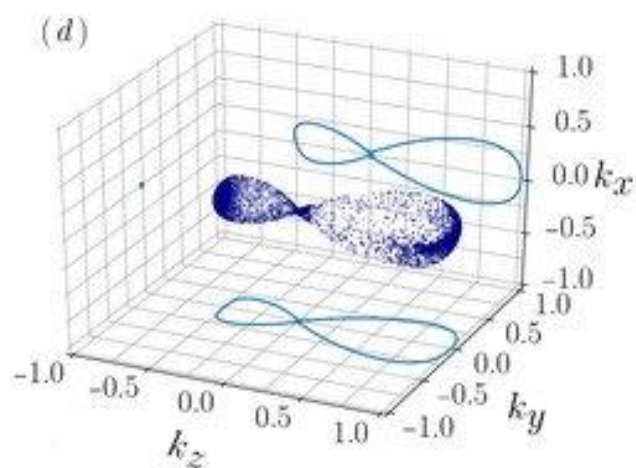
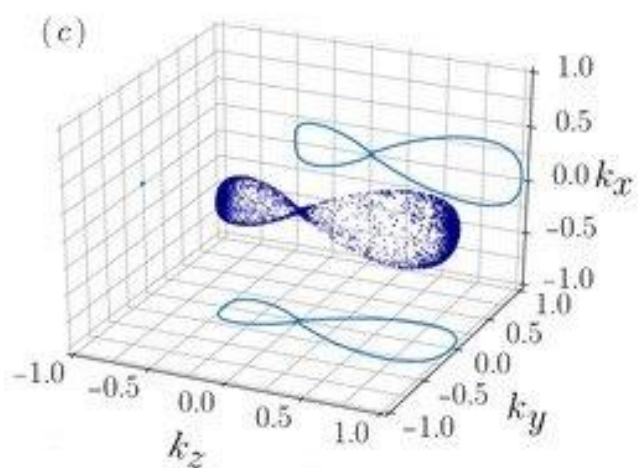
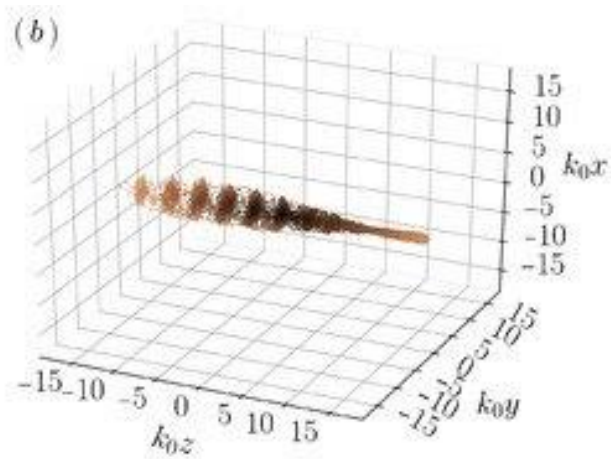
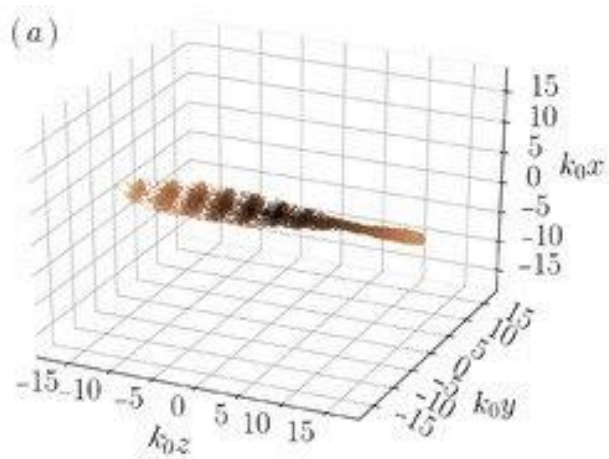


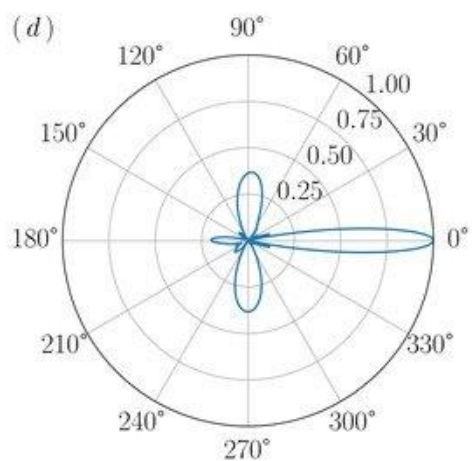
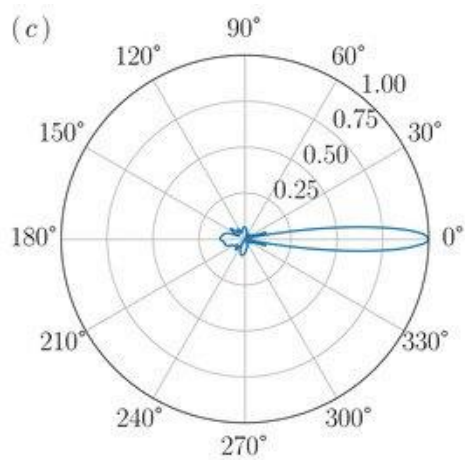
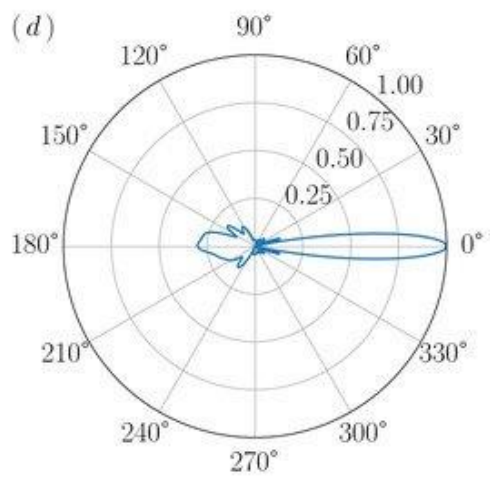
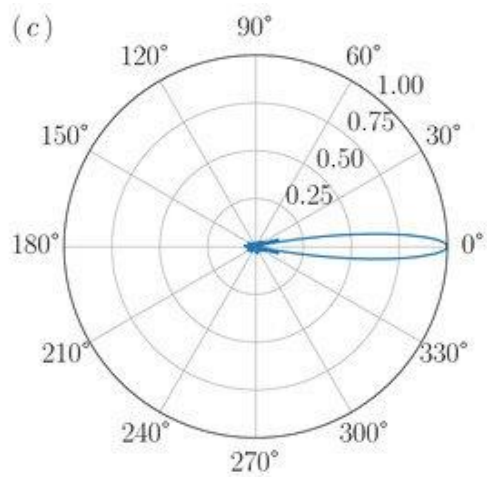
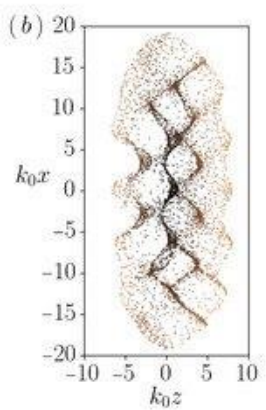
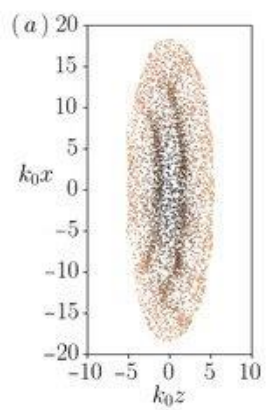
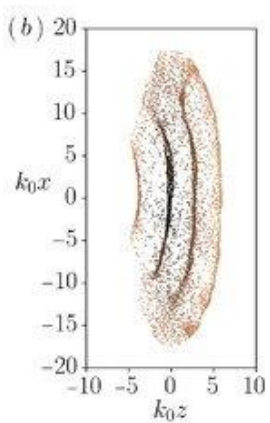
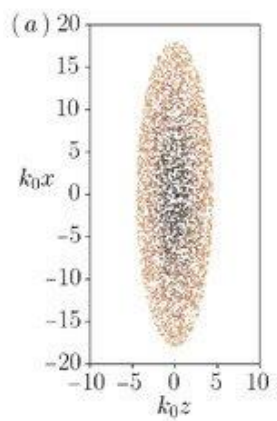


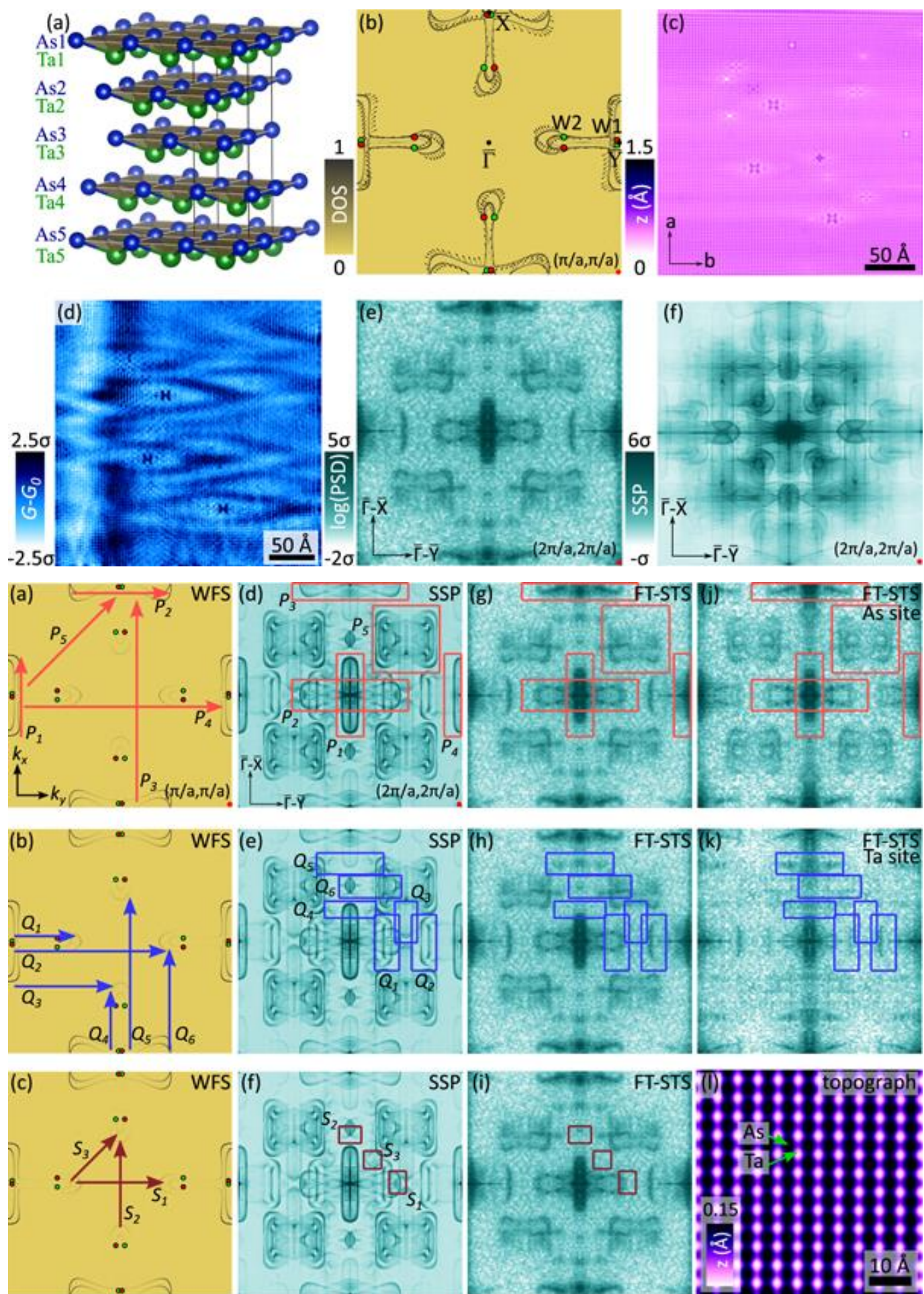


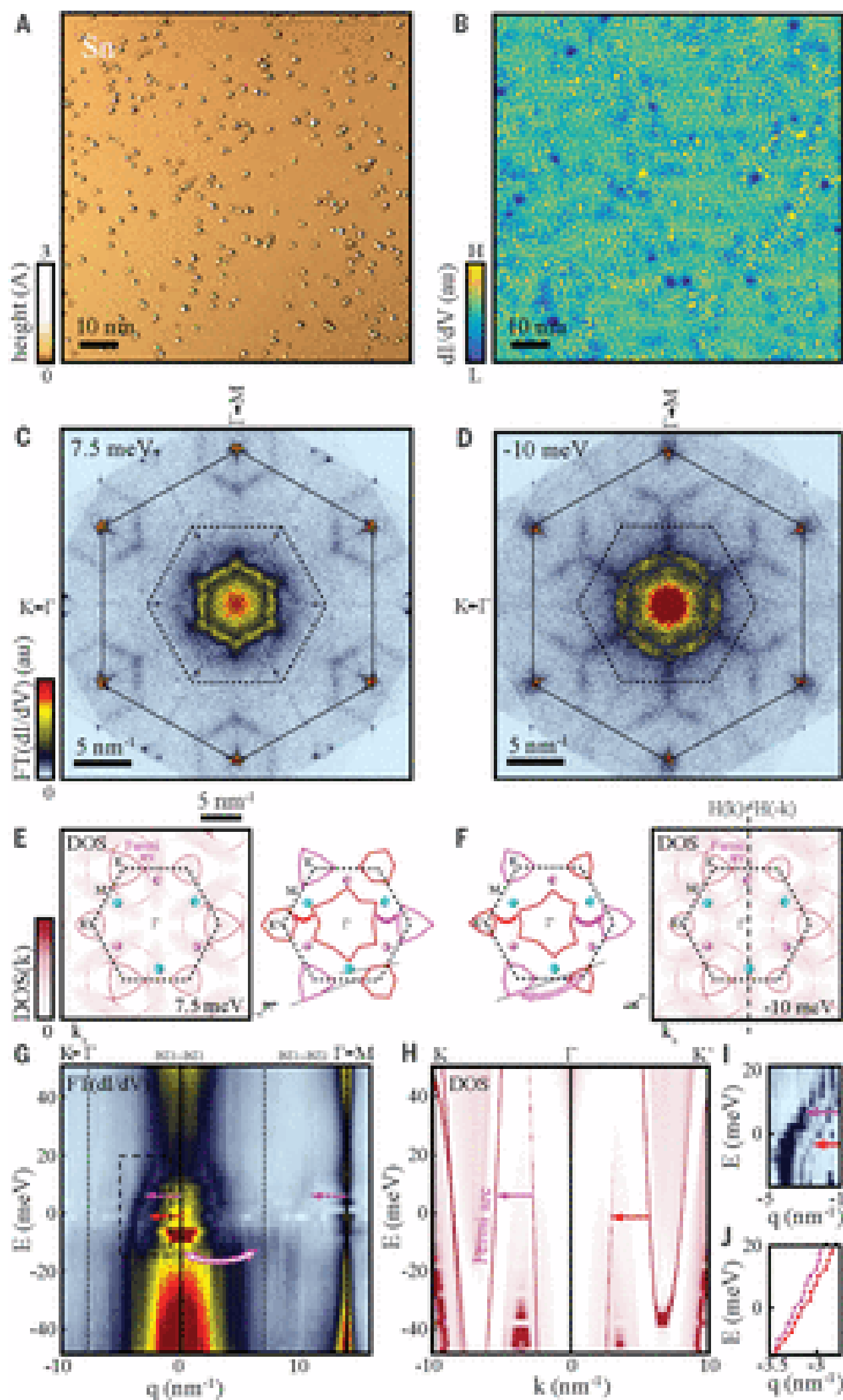


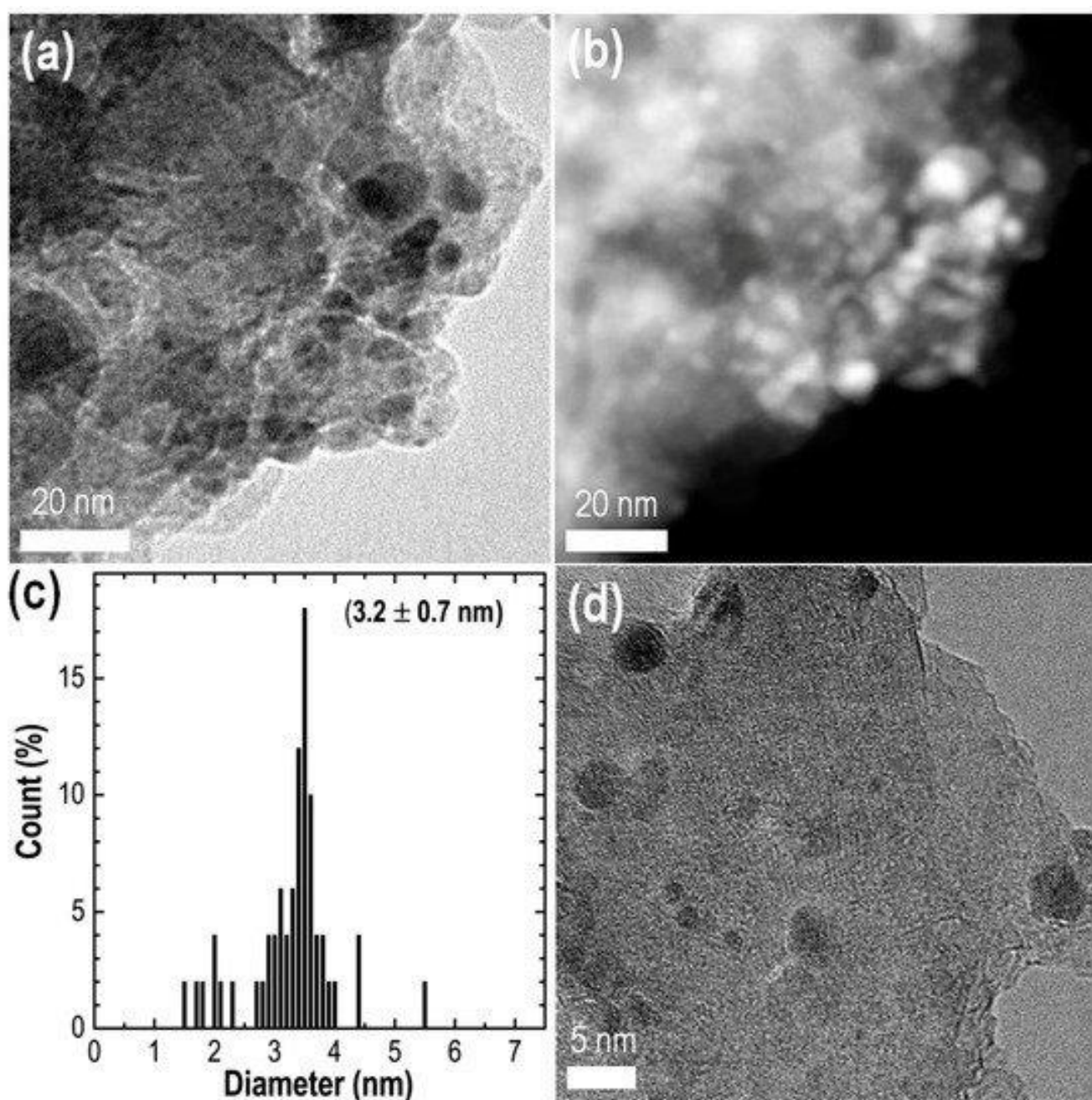
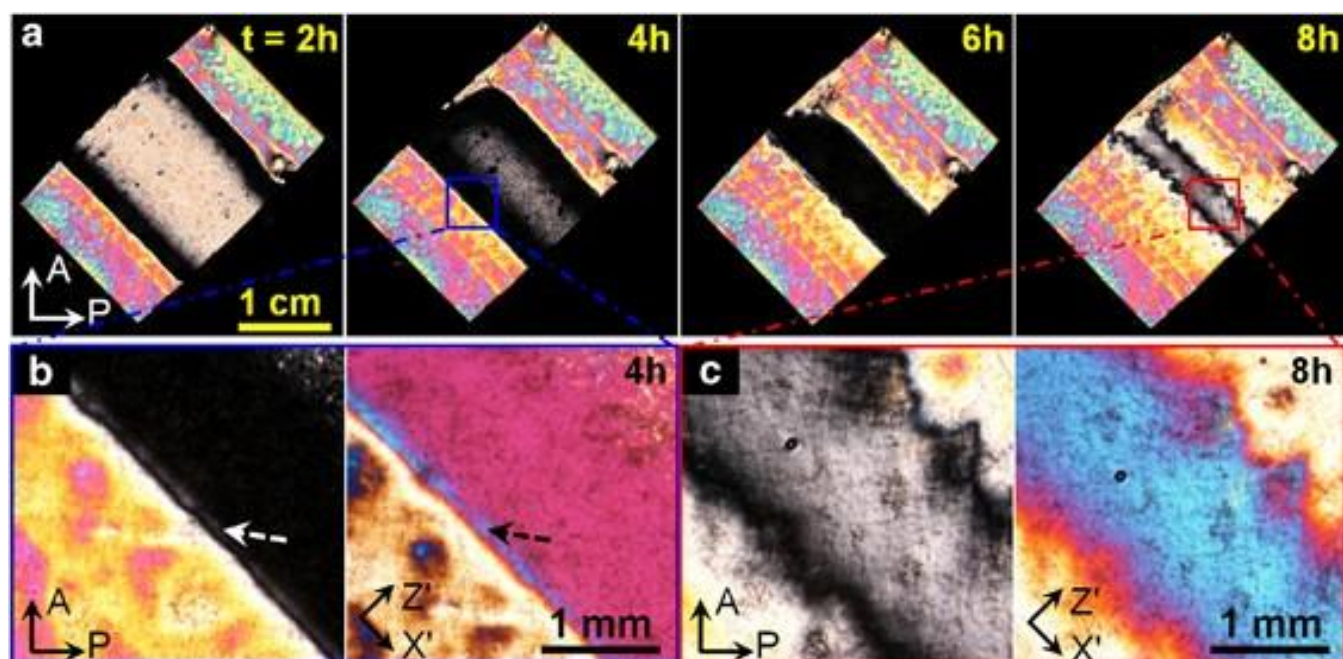


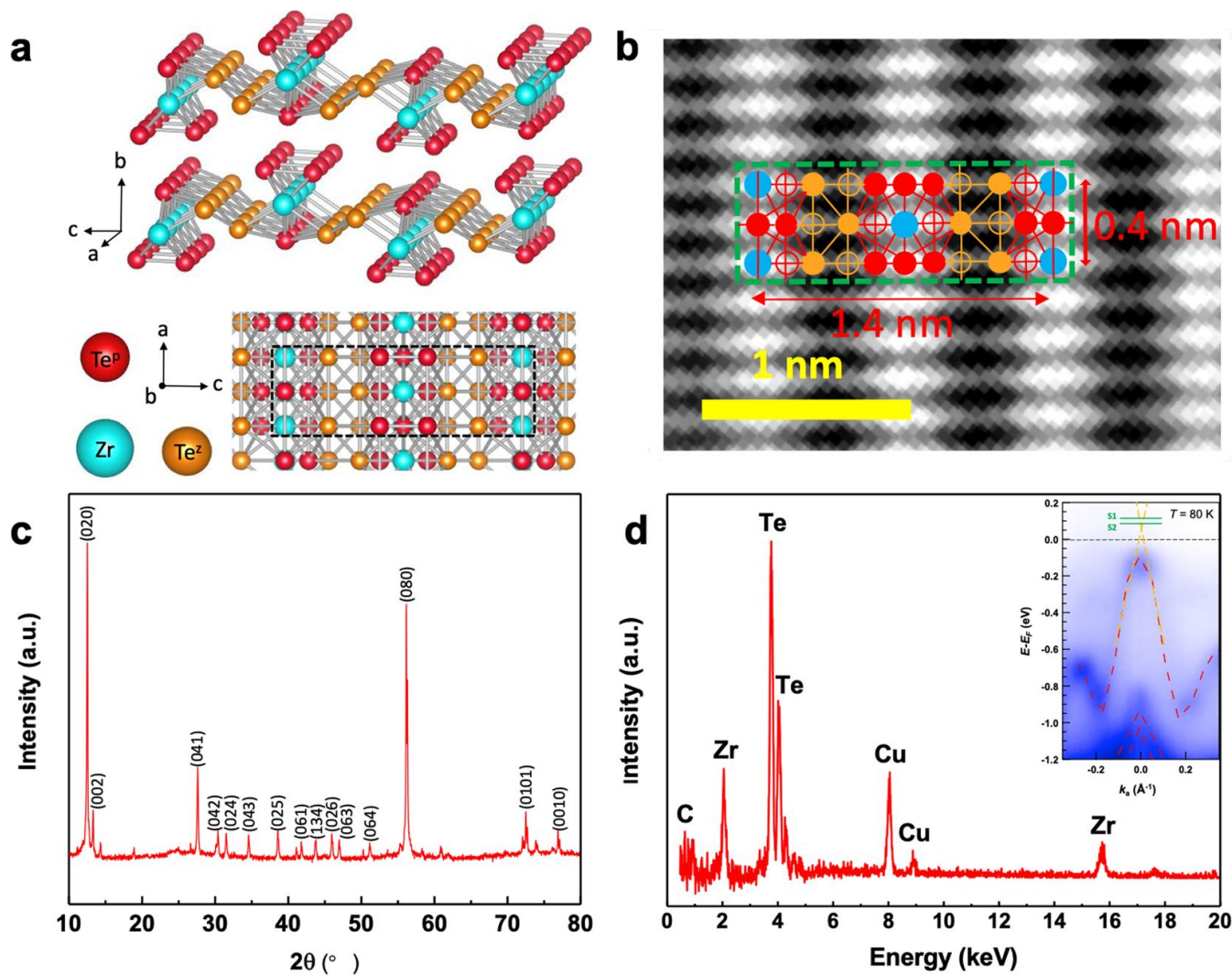
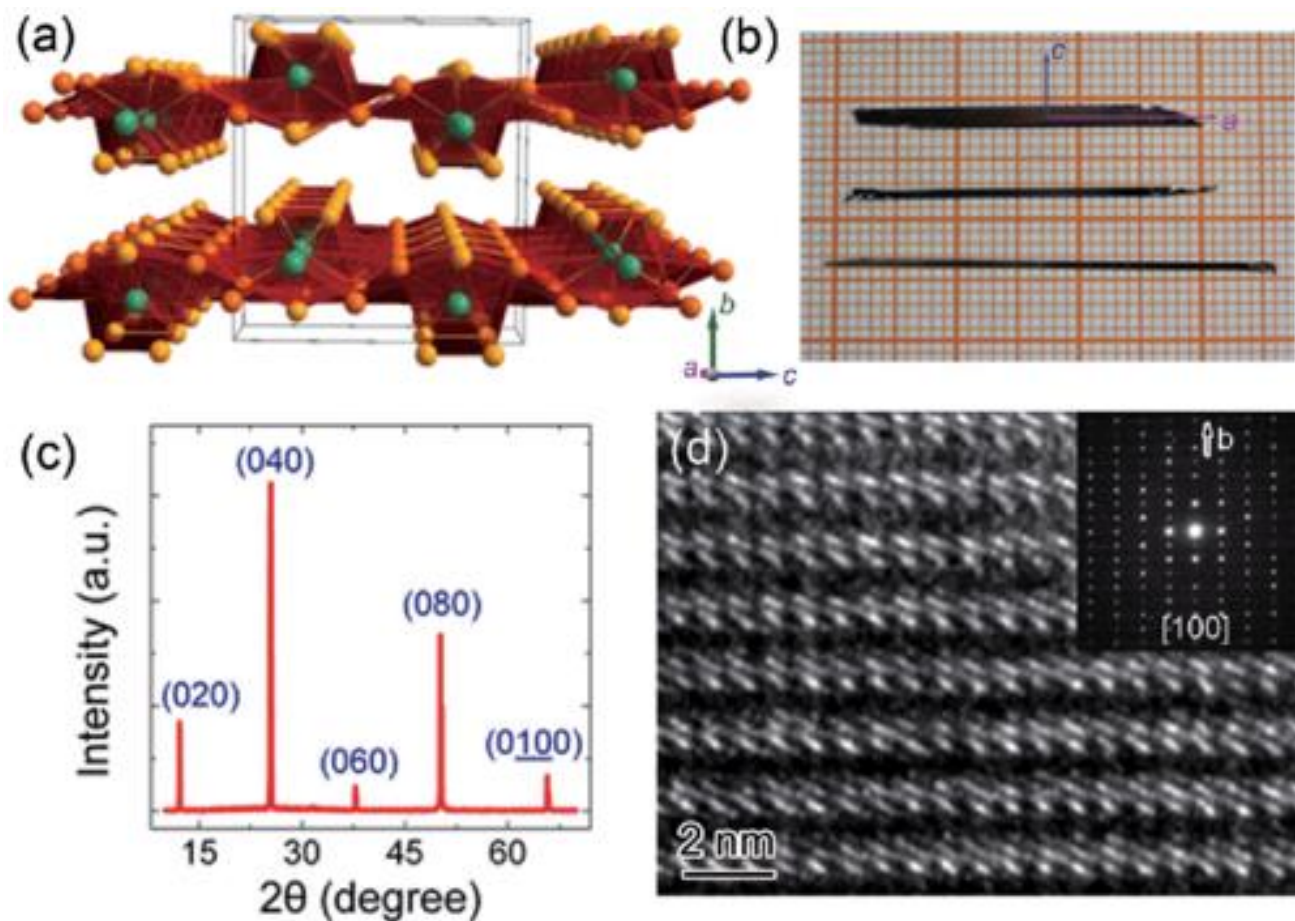


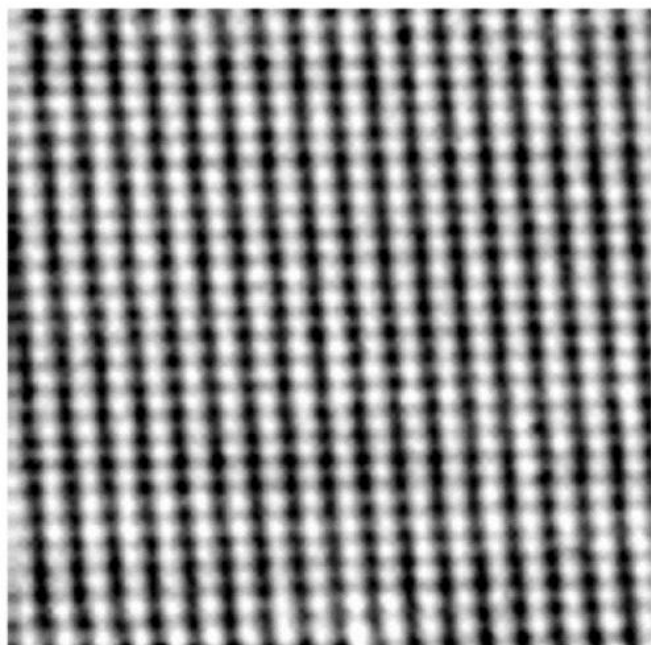




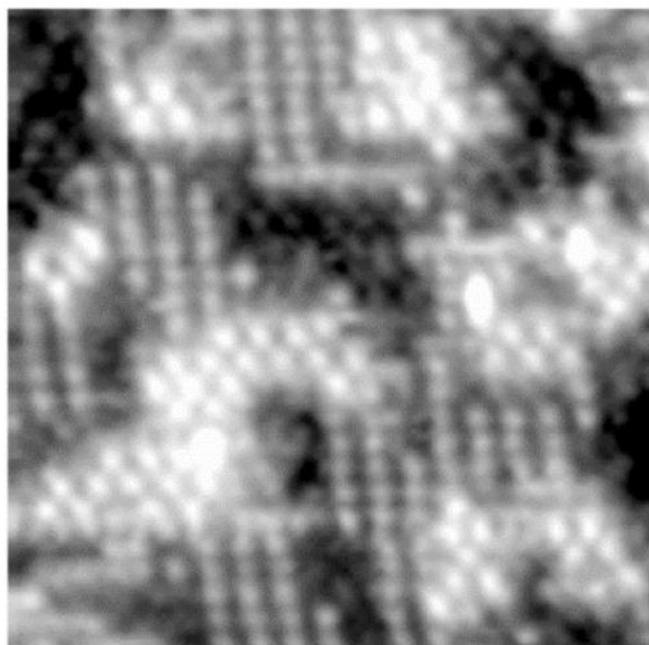




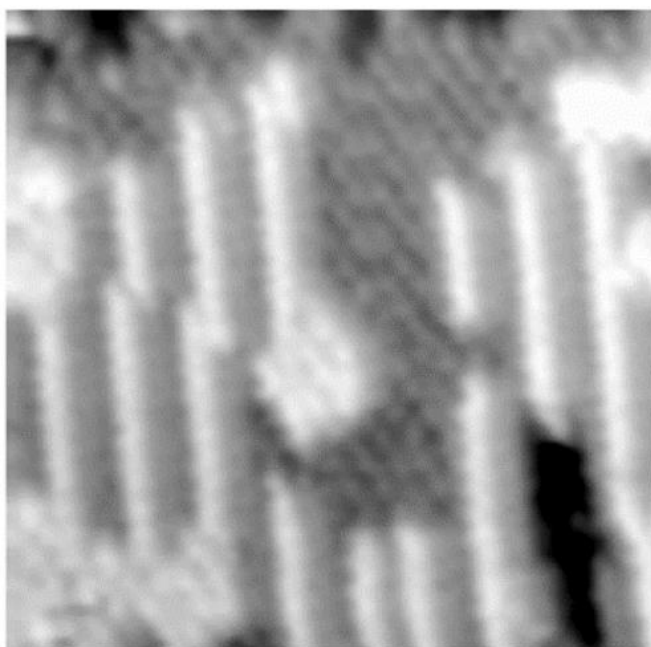




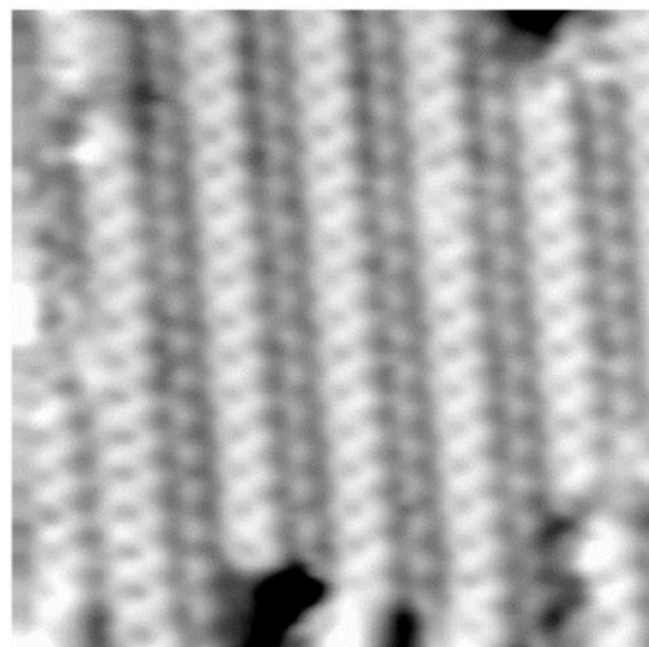
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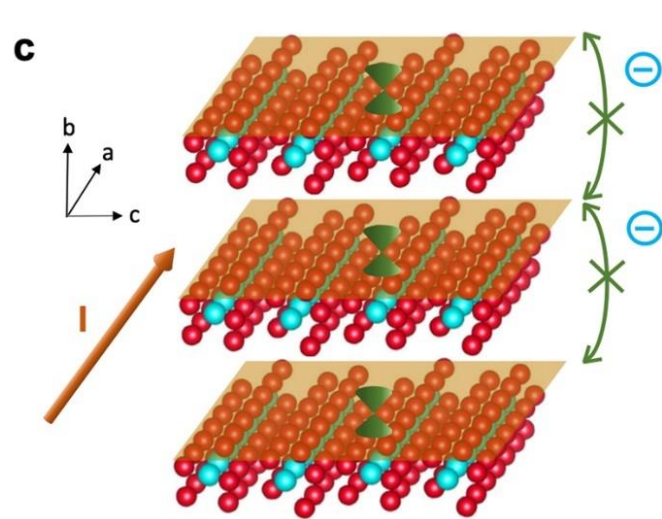
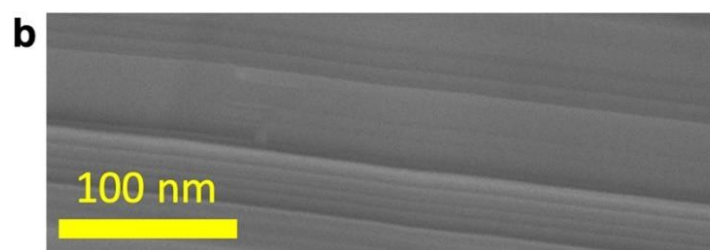
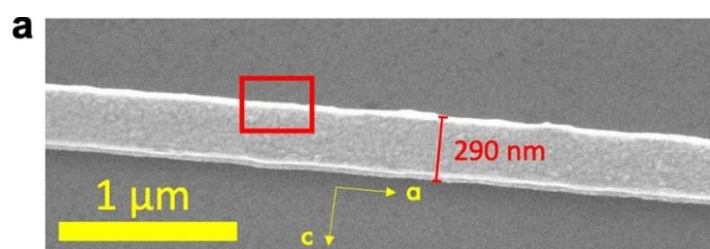
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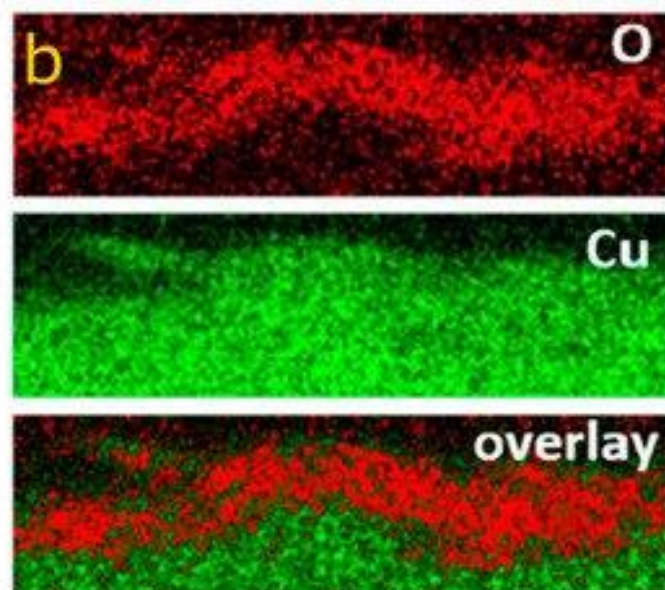
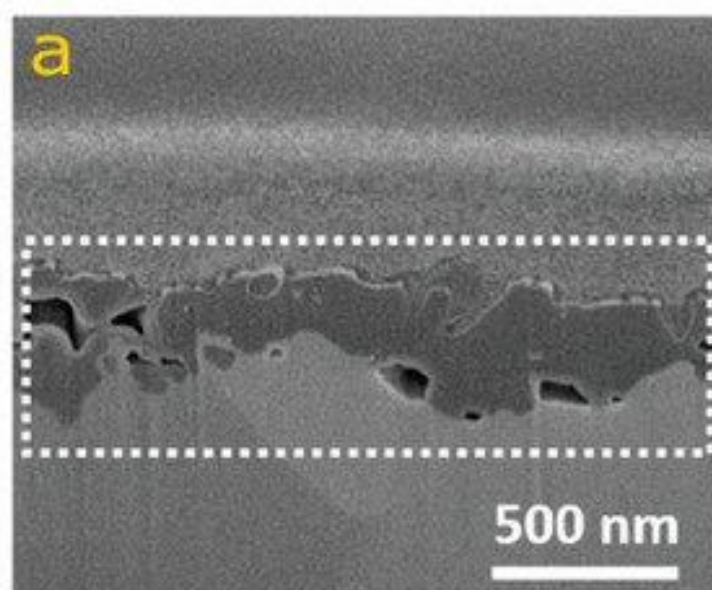
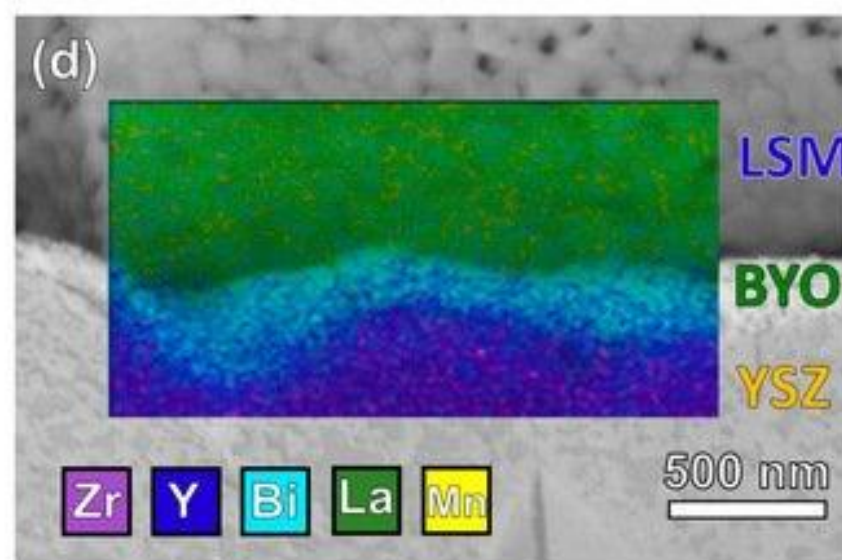
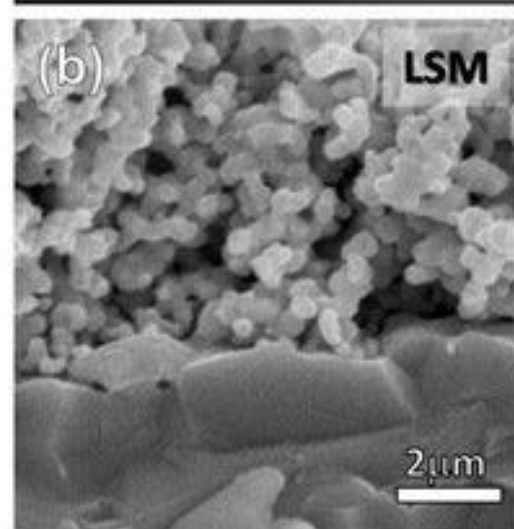
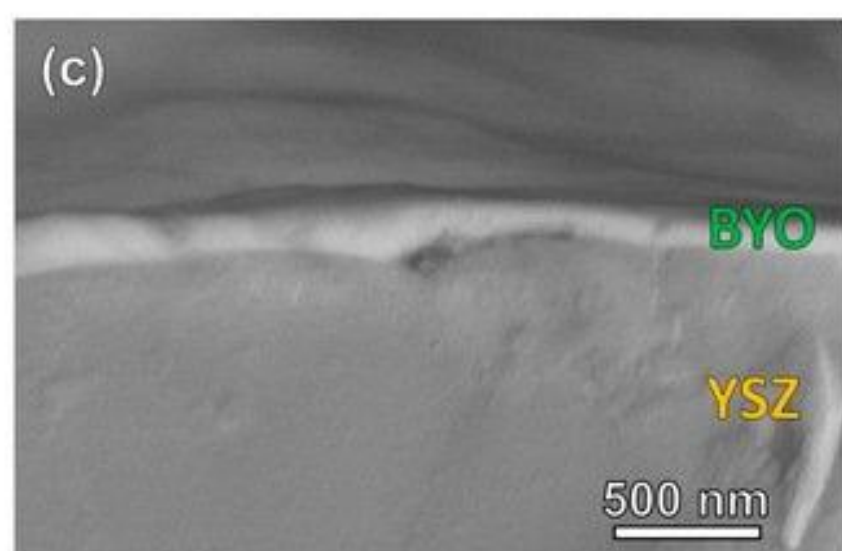
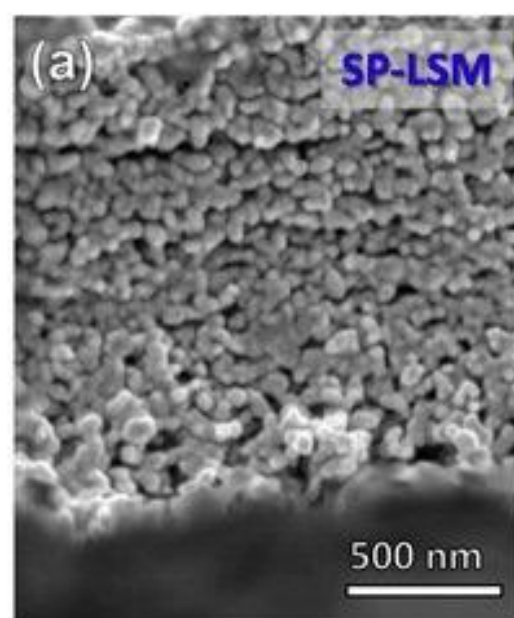


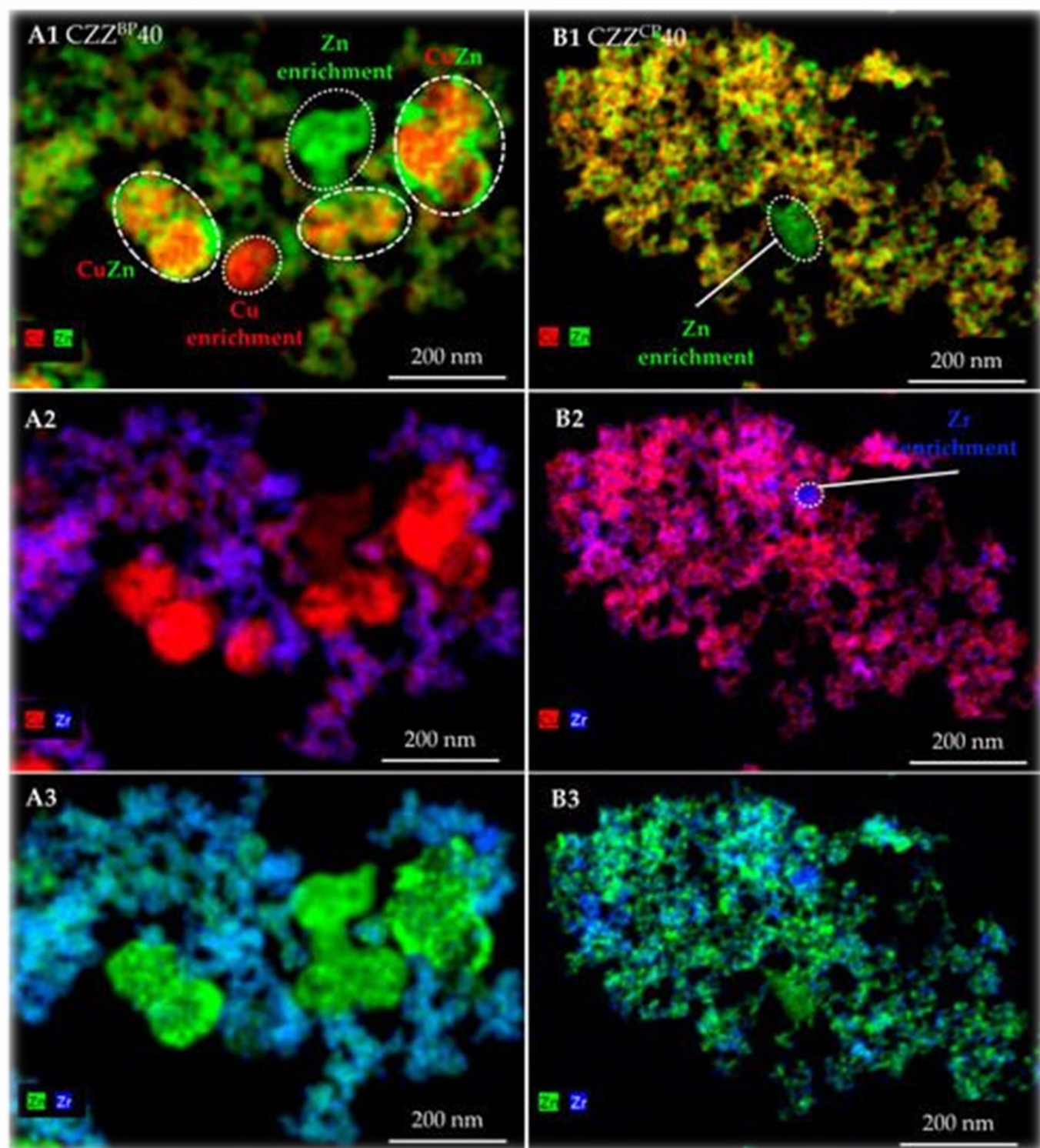
(c)

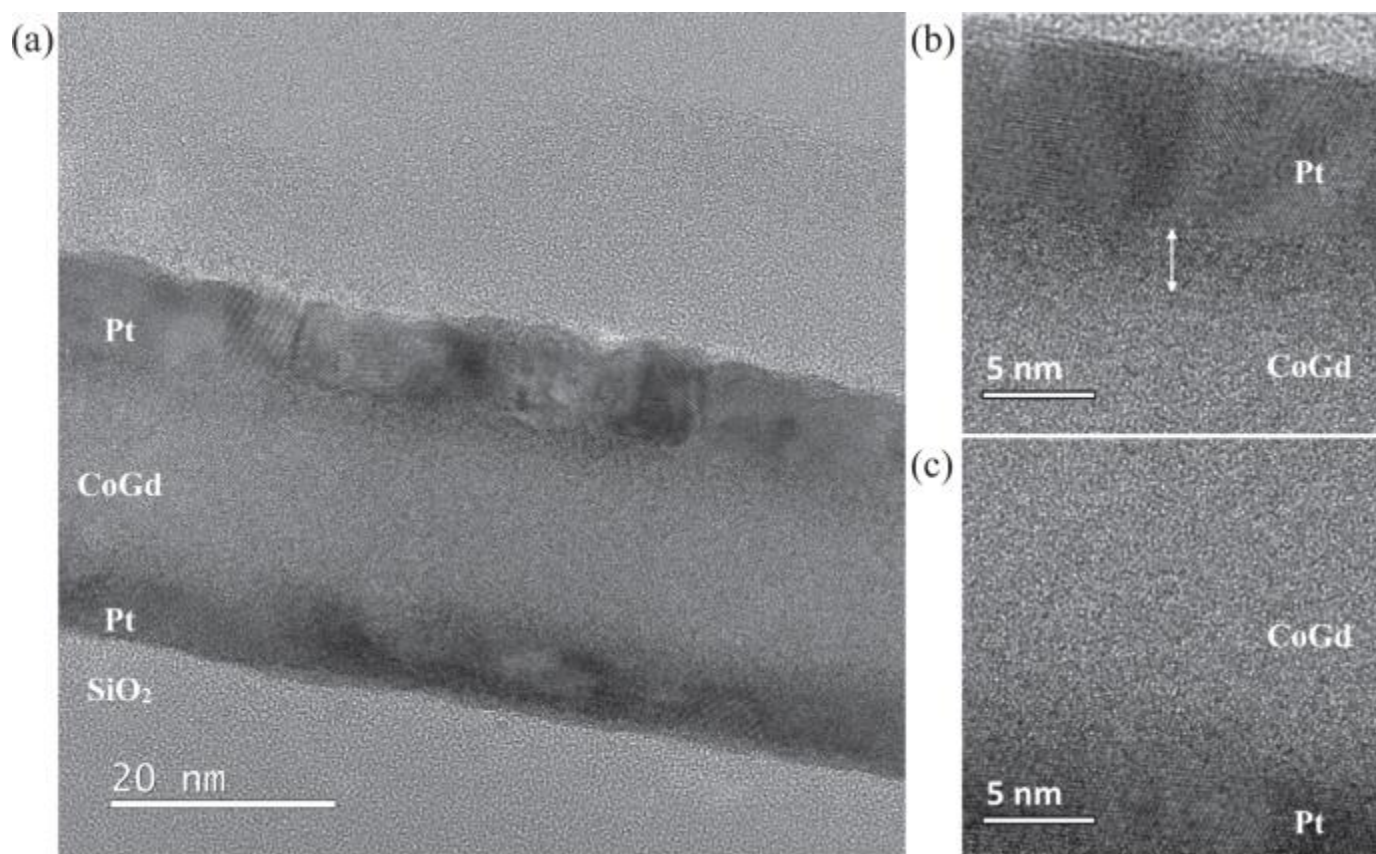
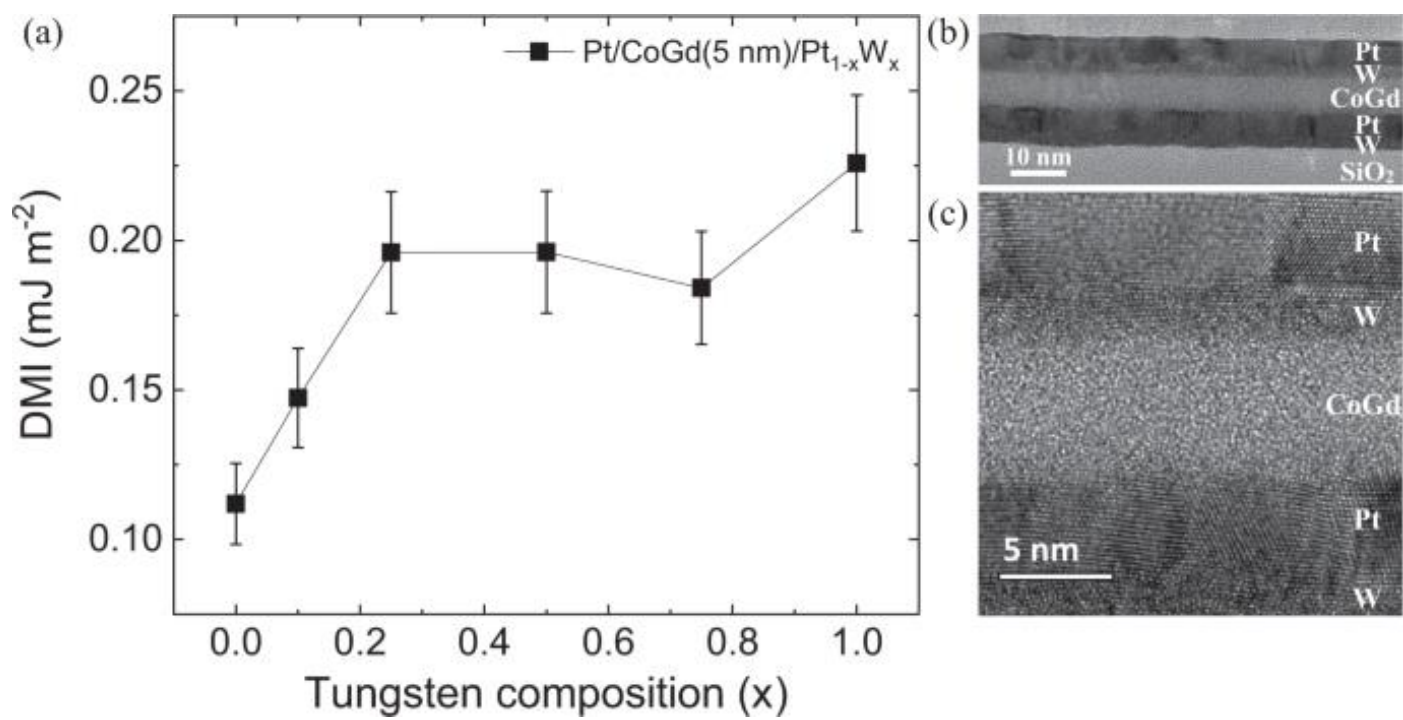


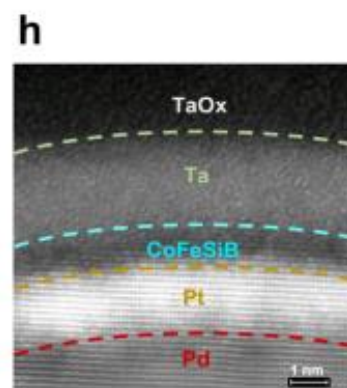
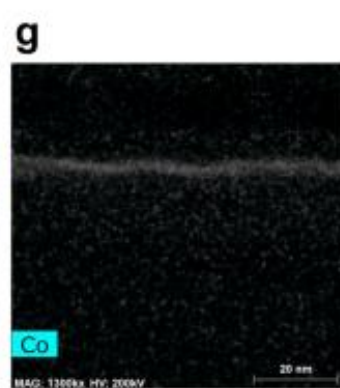
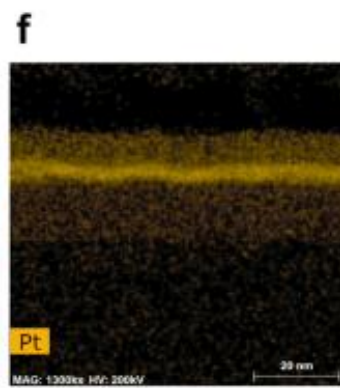
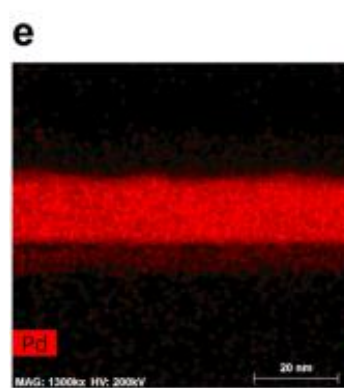
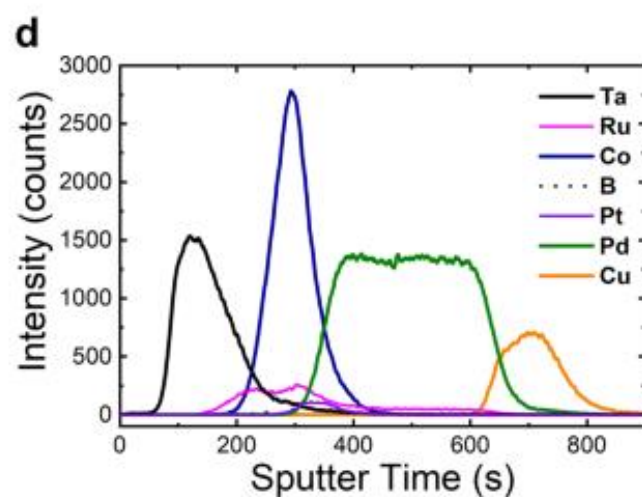
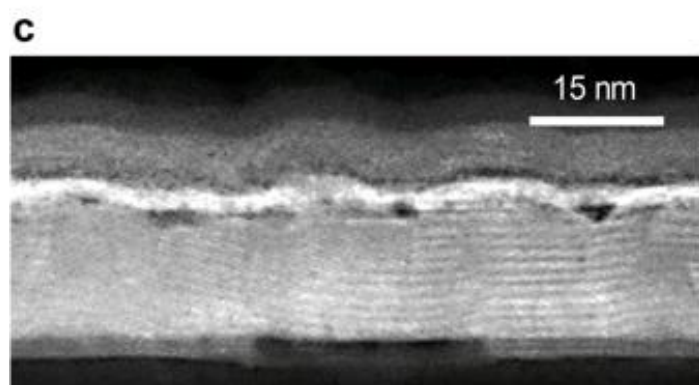
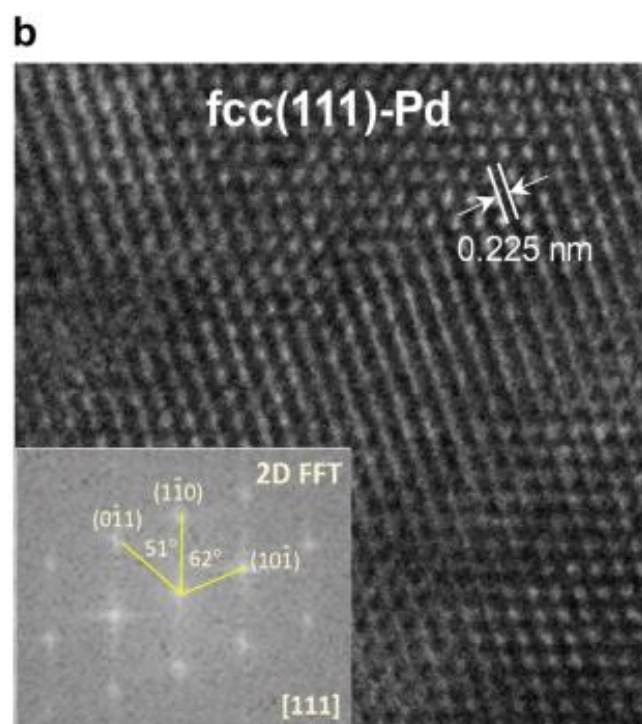
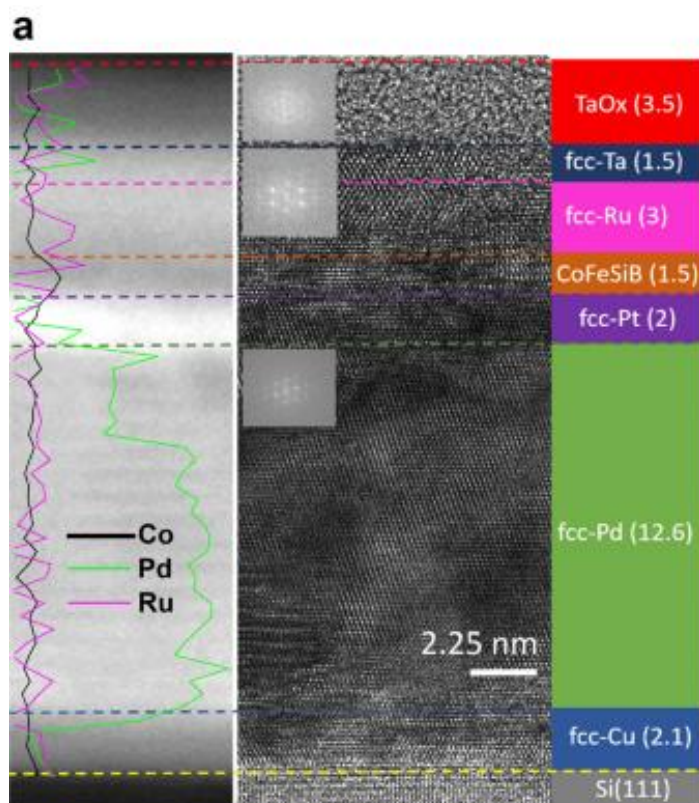
(d)

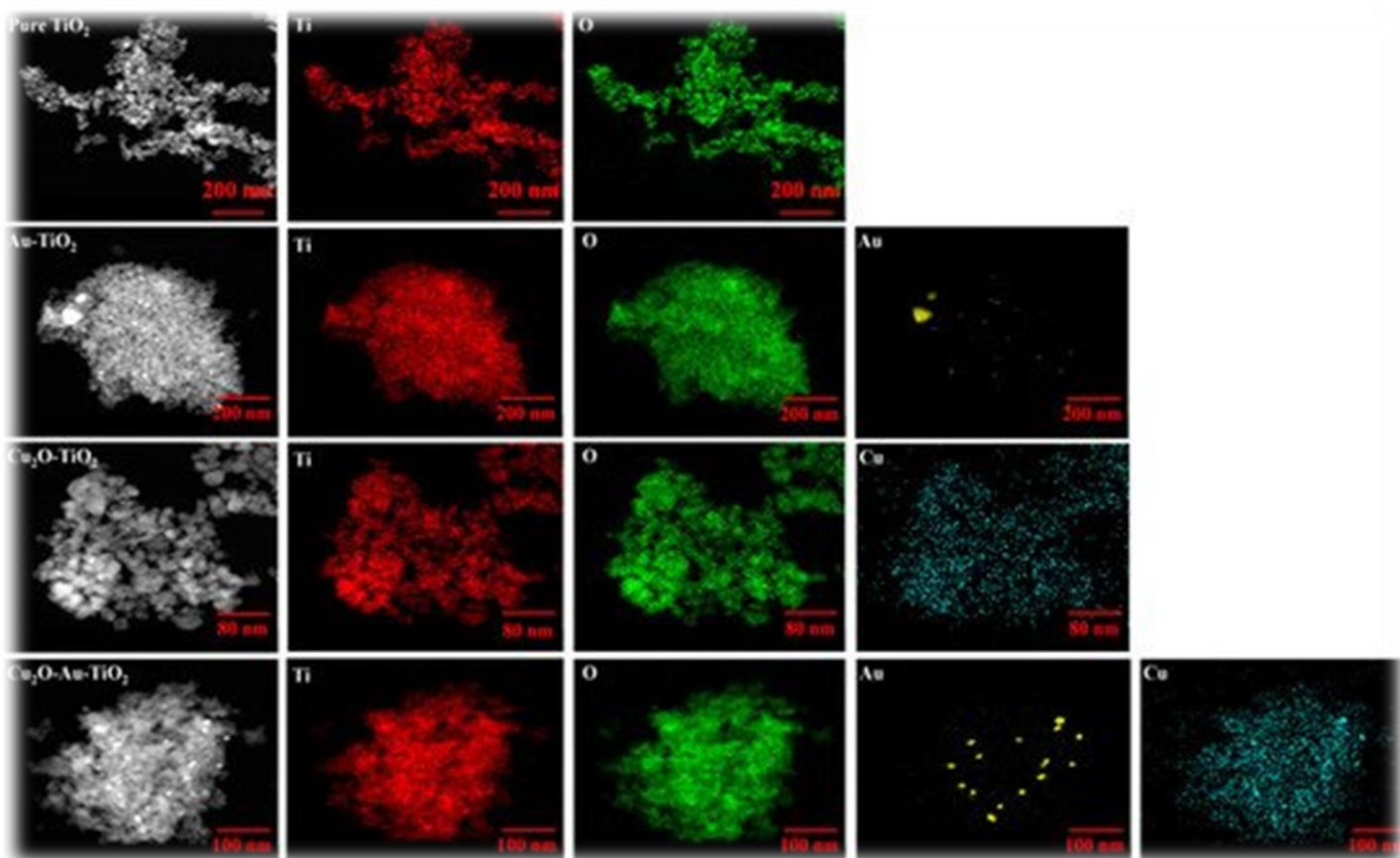
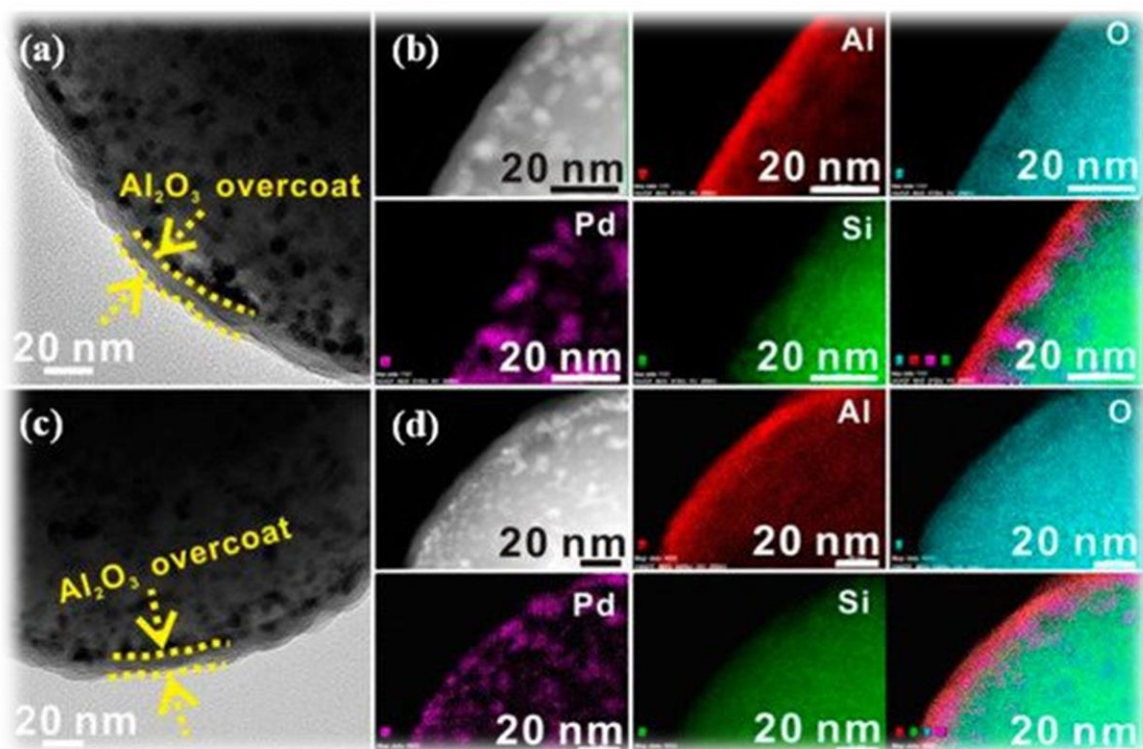


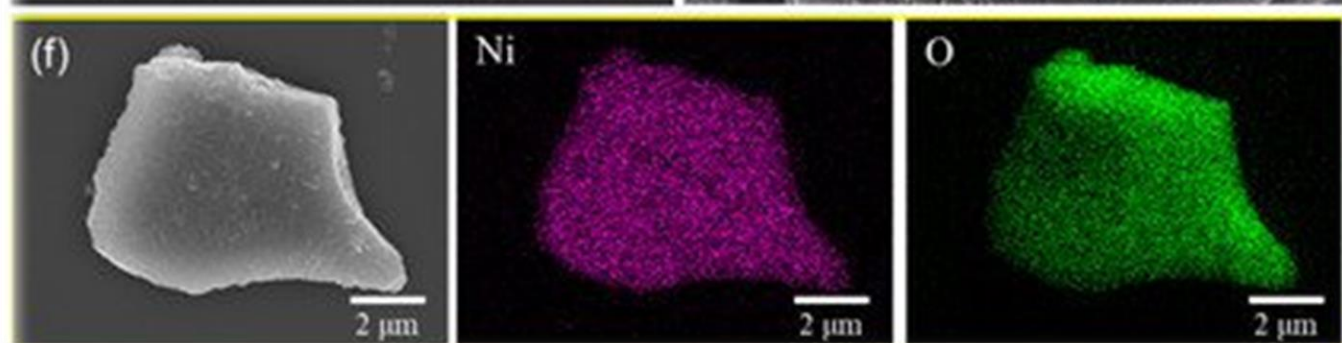
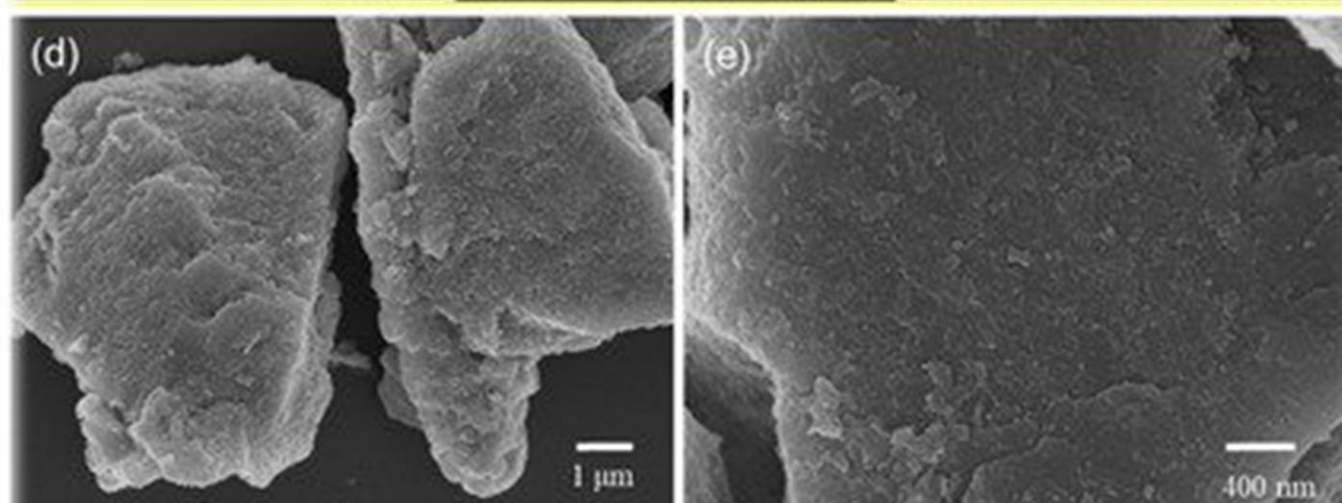
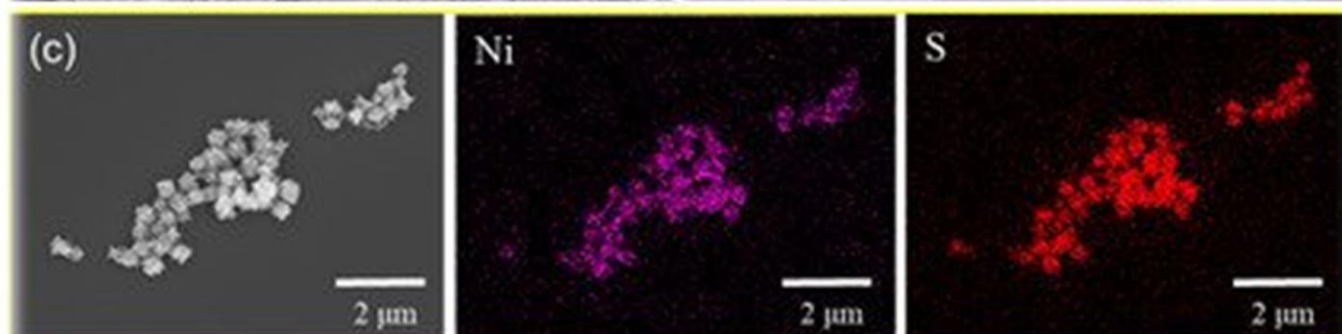
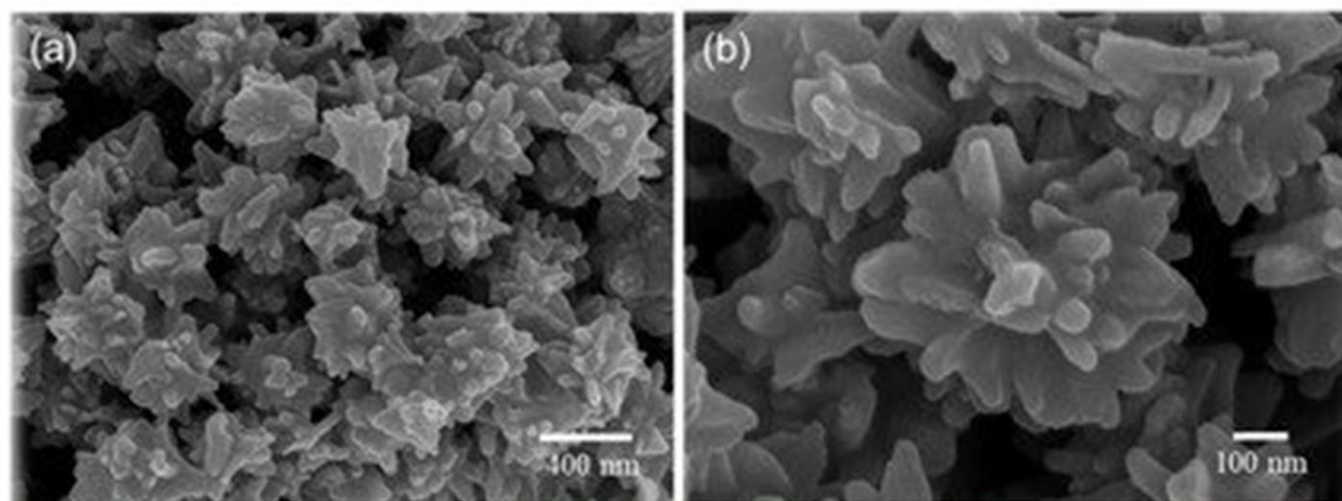


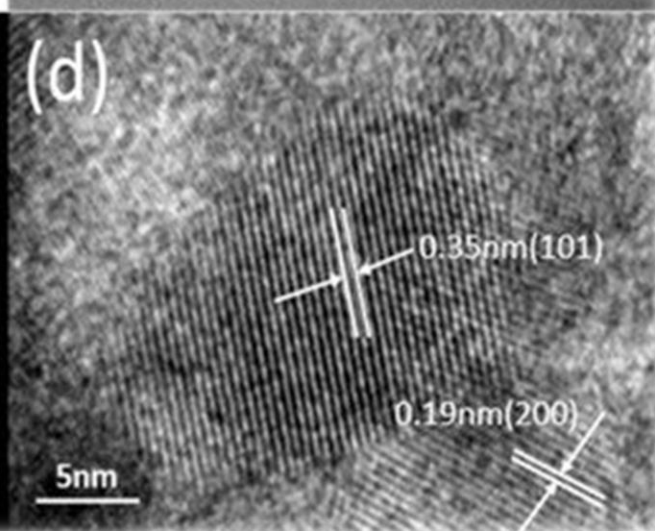
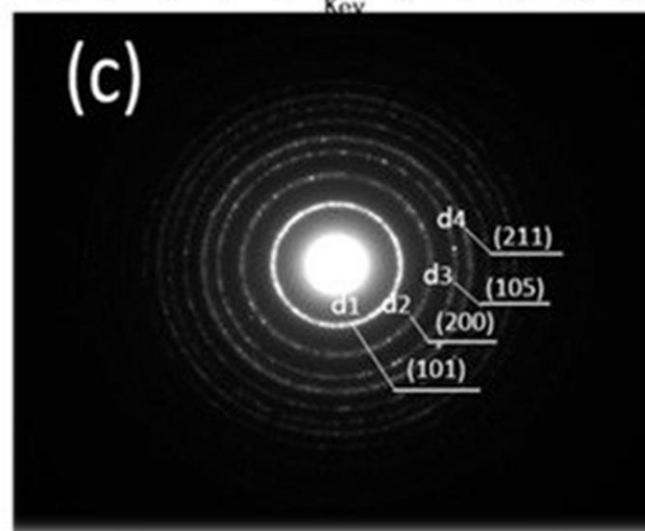
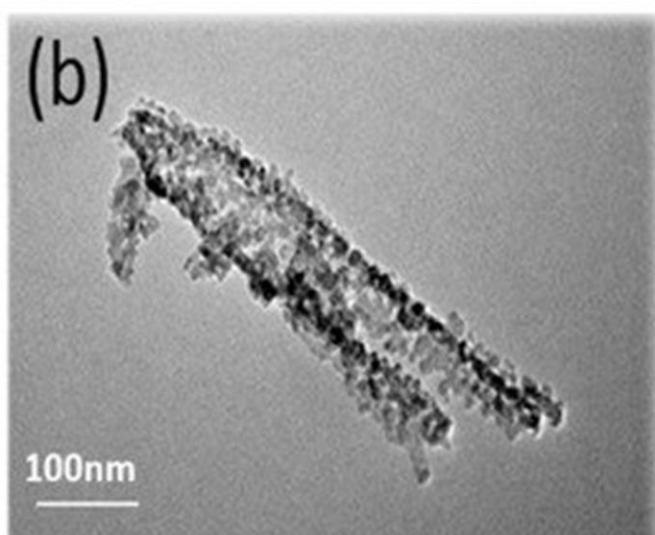
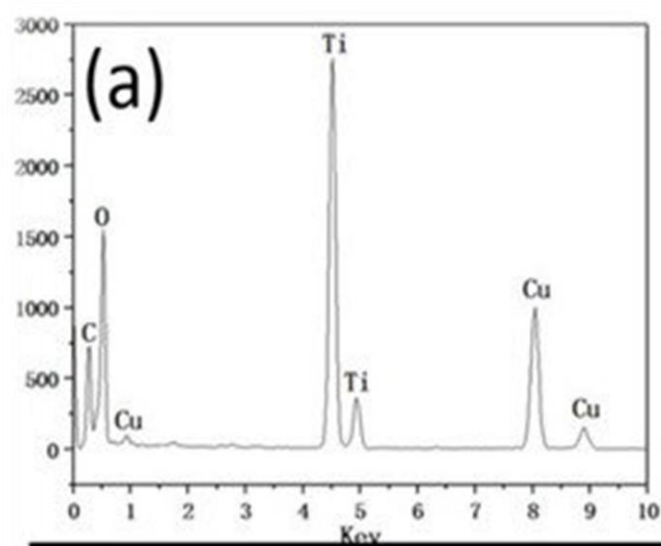
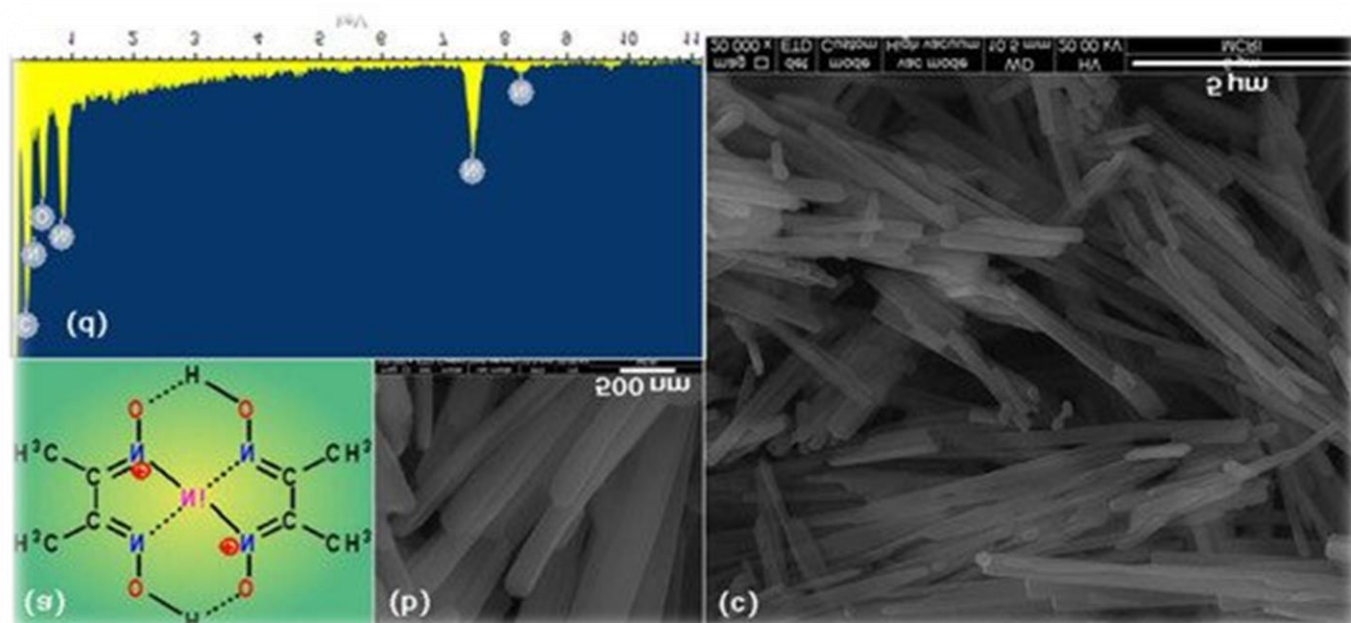


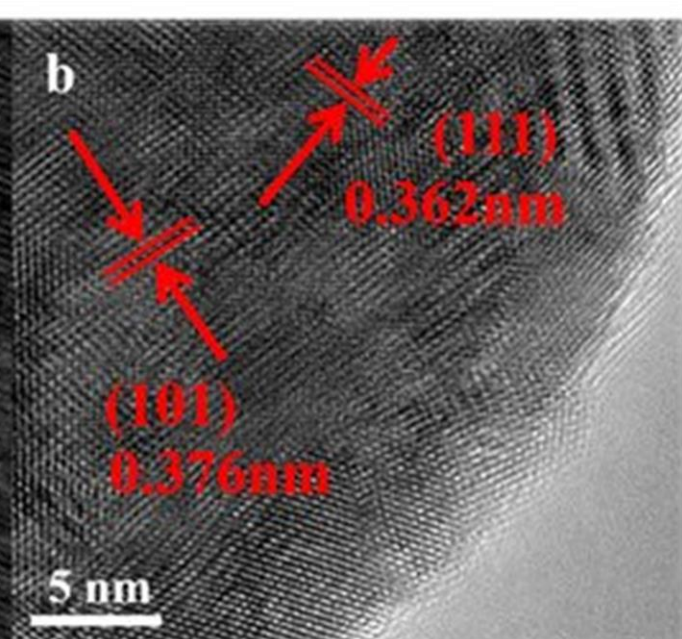
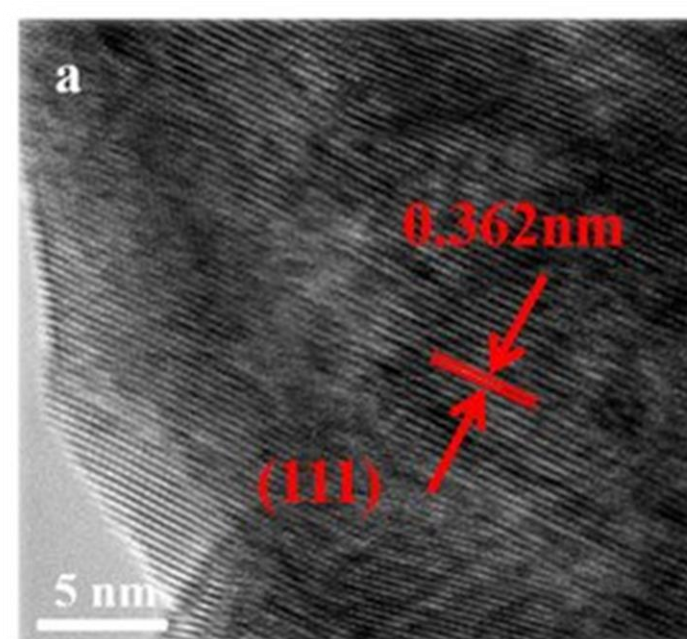
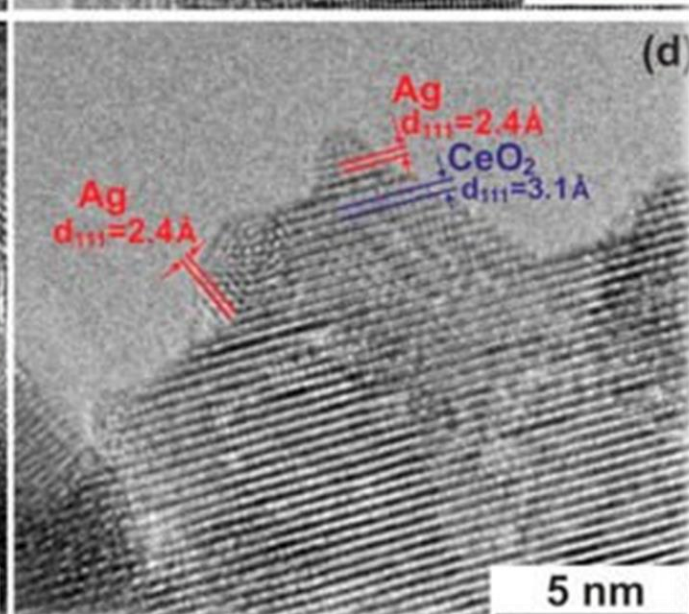
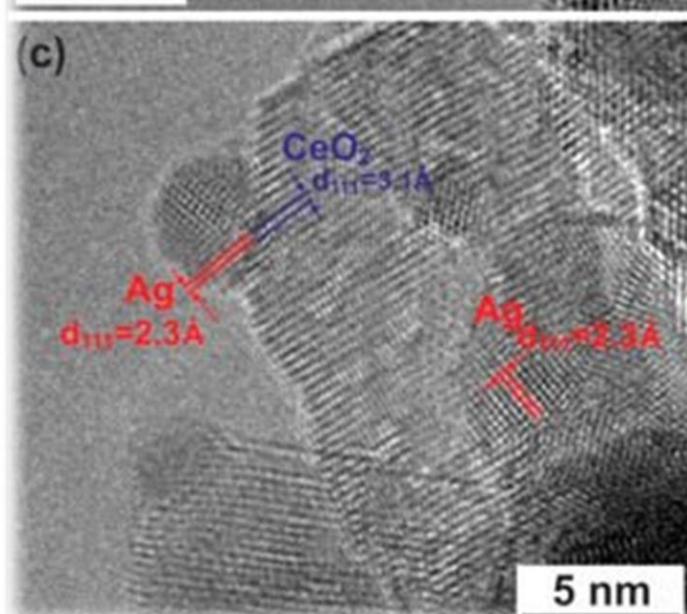
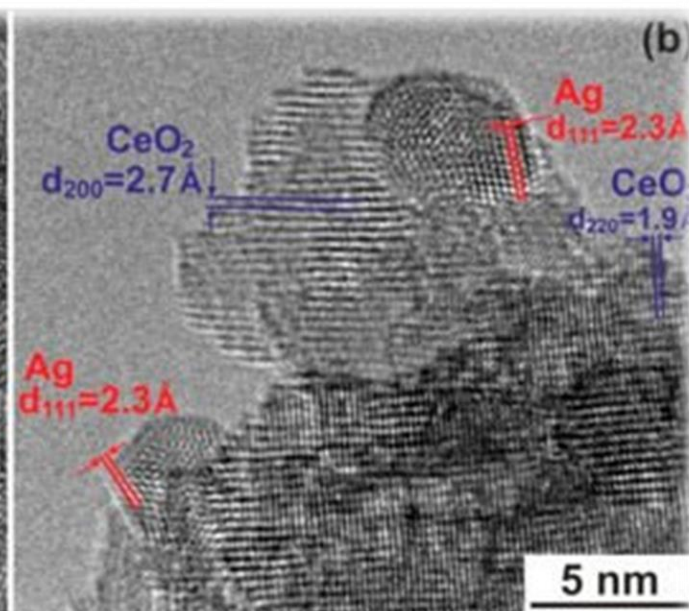
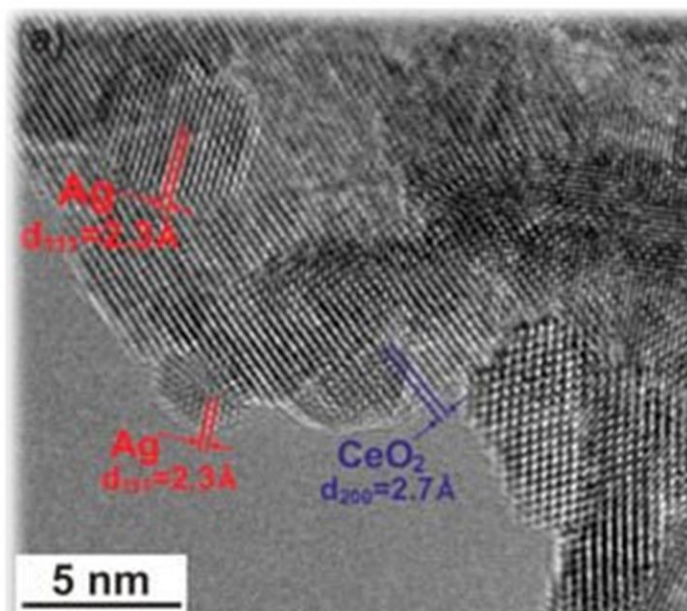


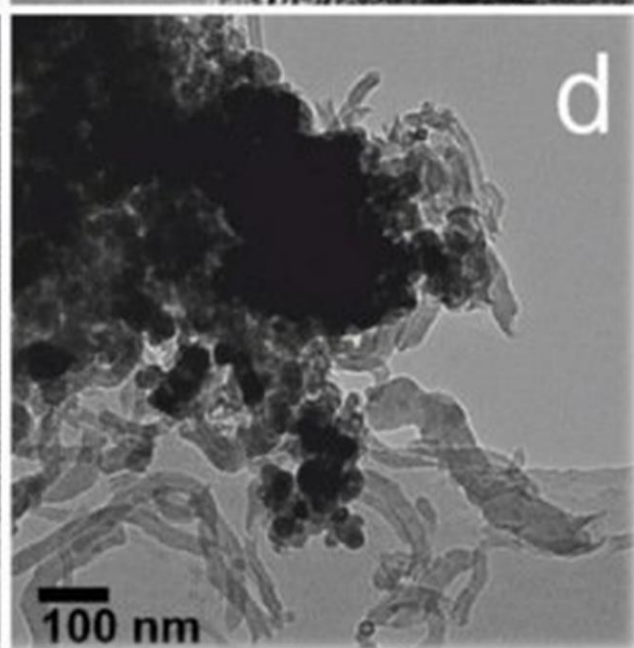
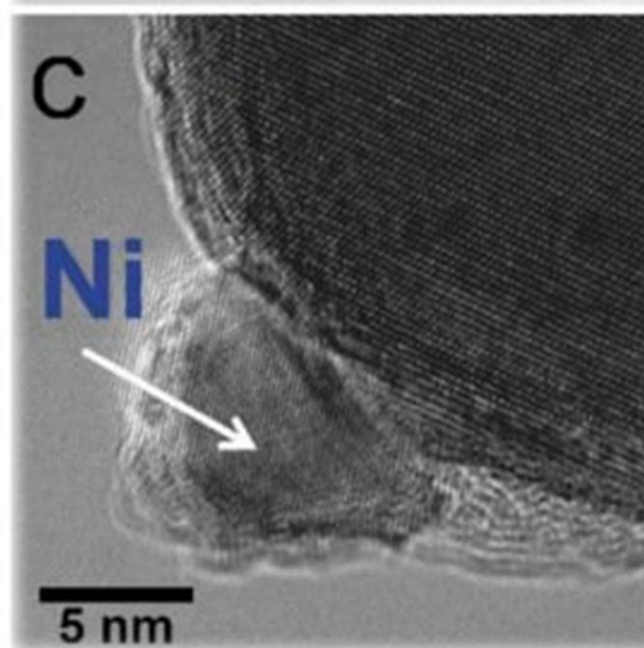
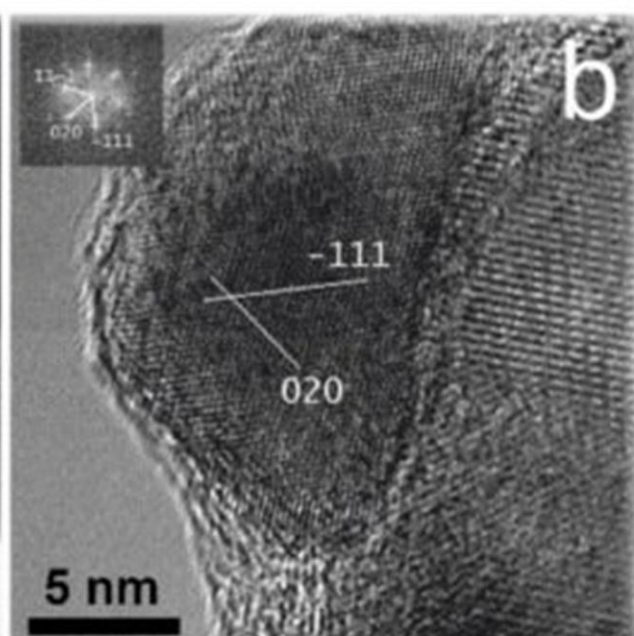
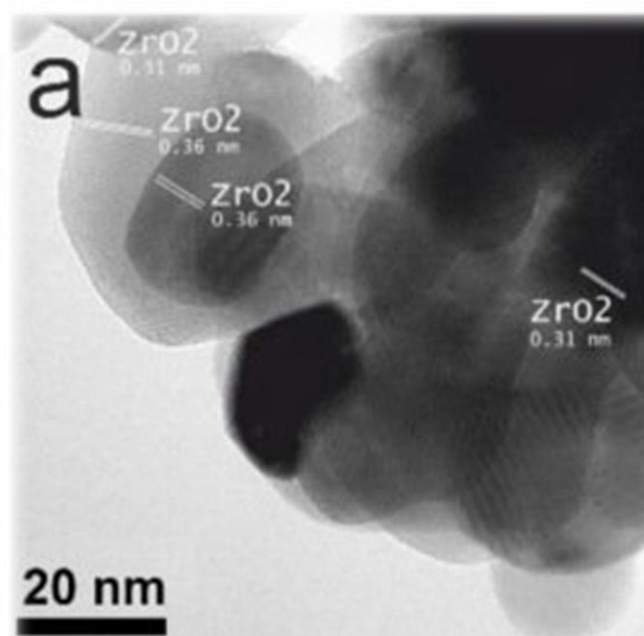
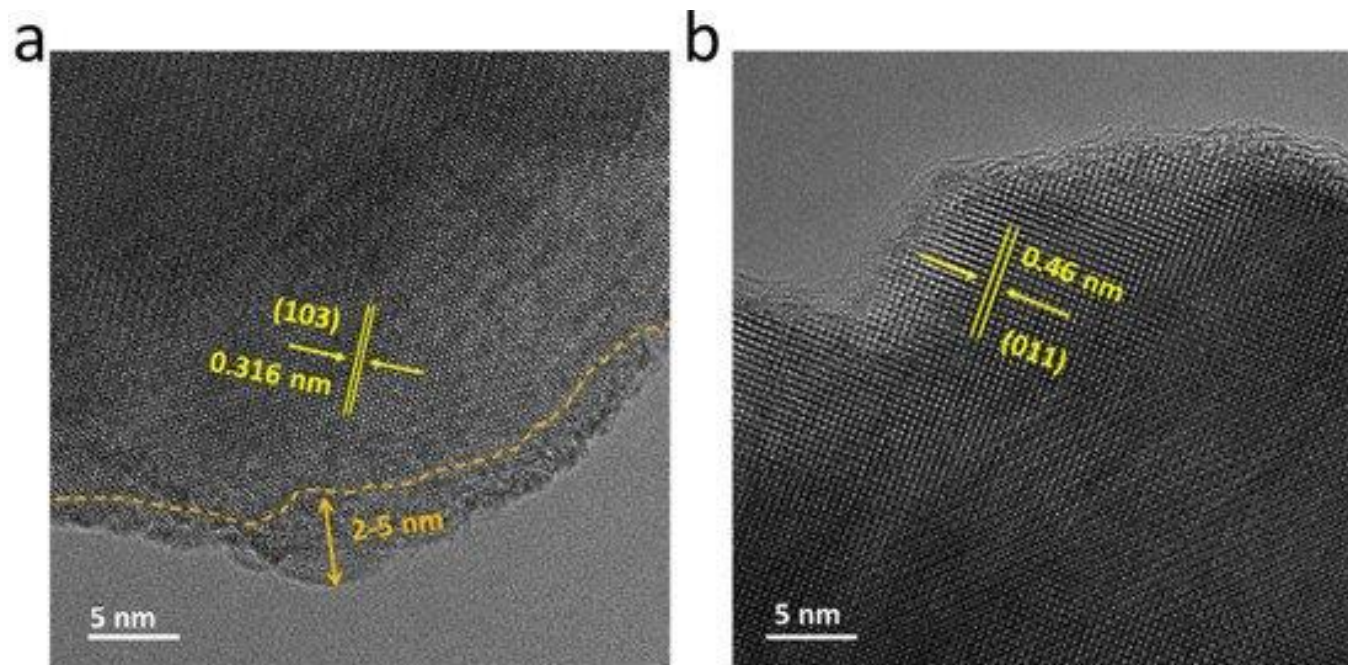


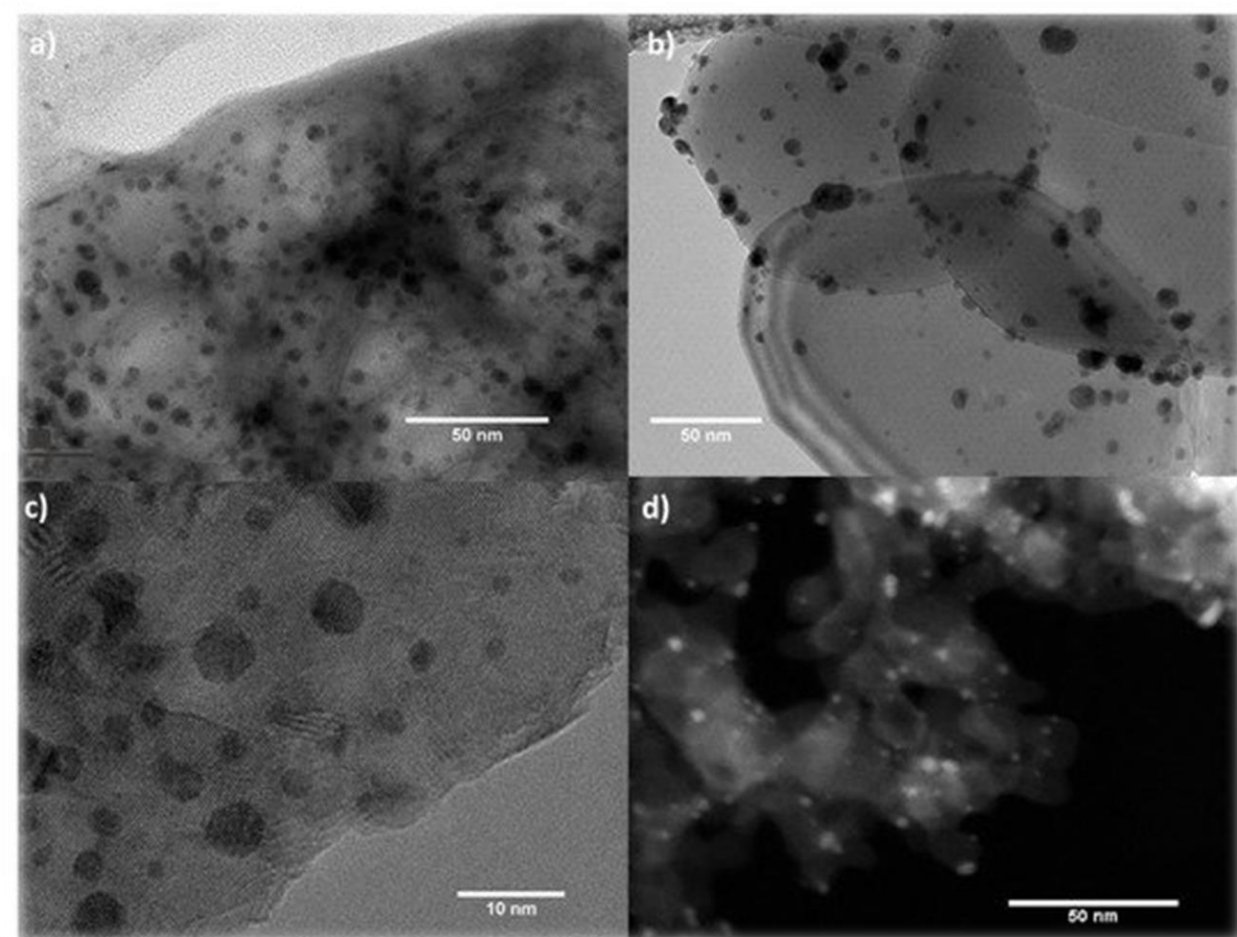
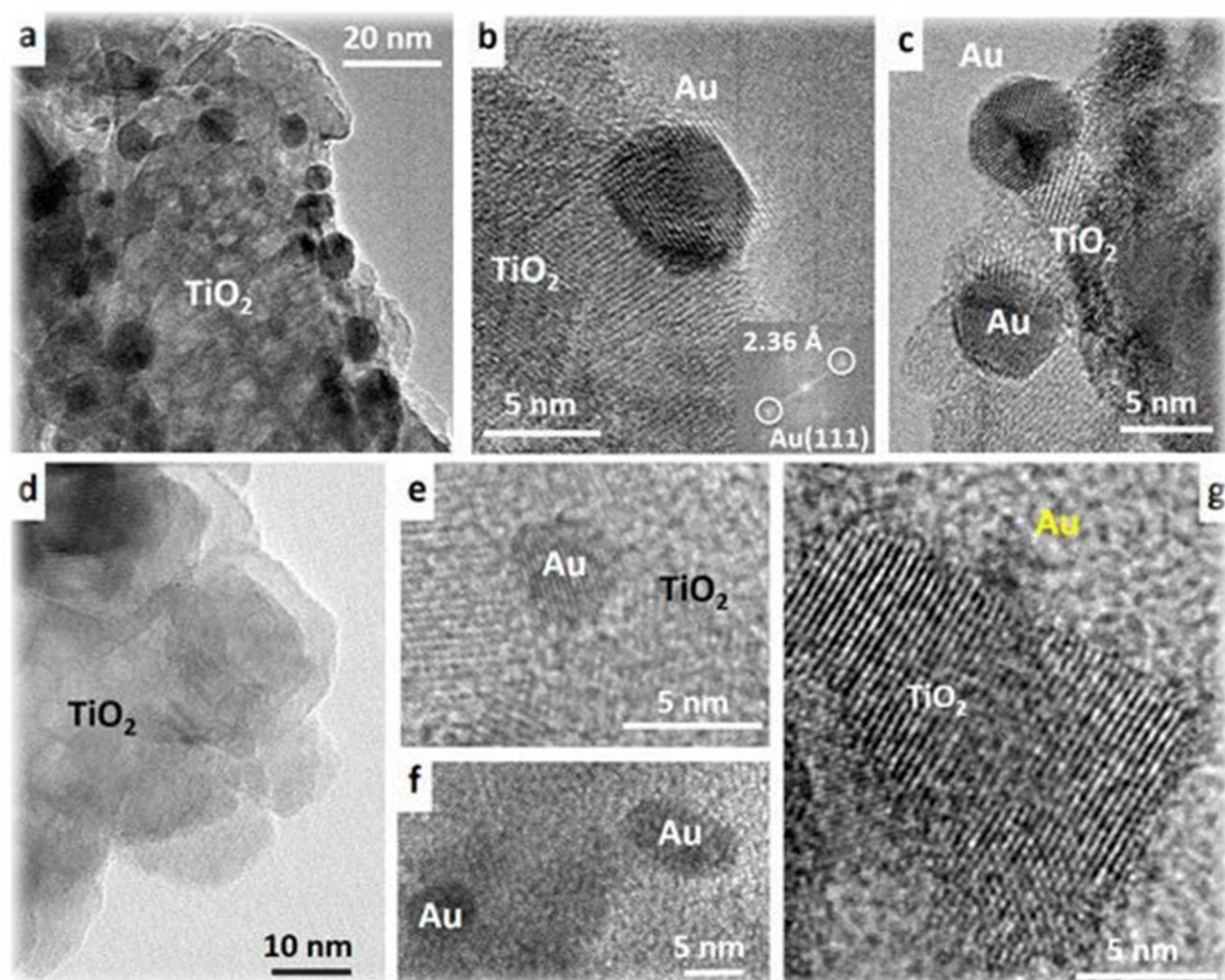


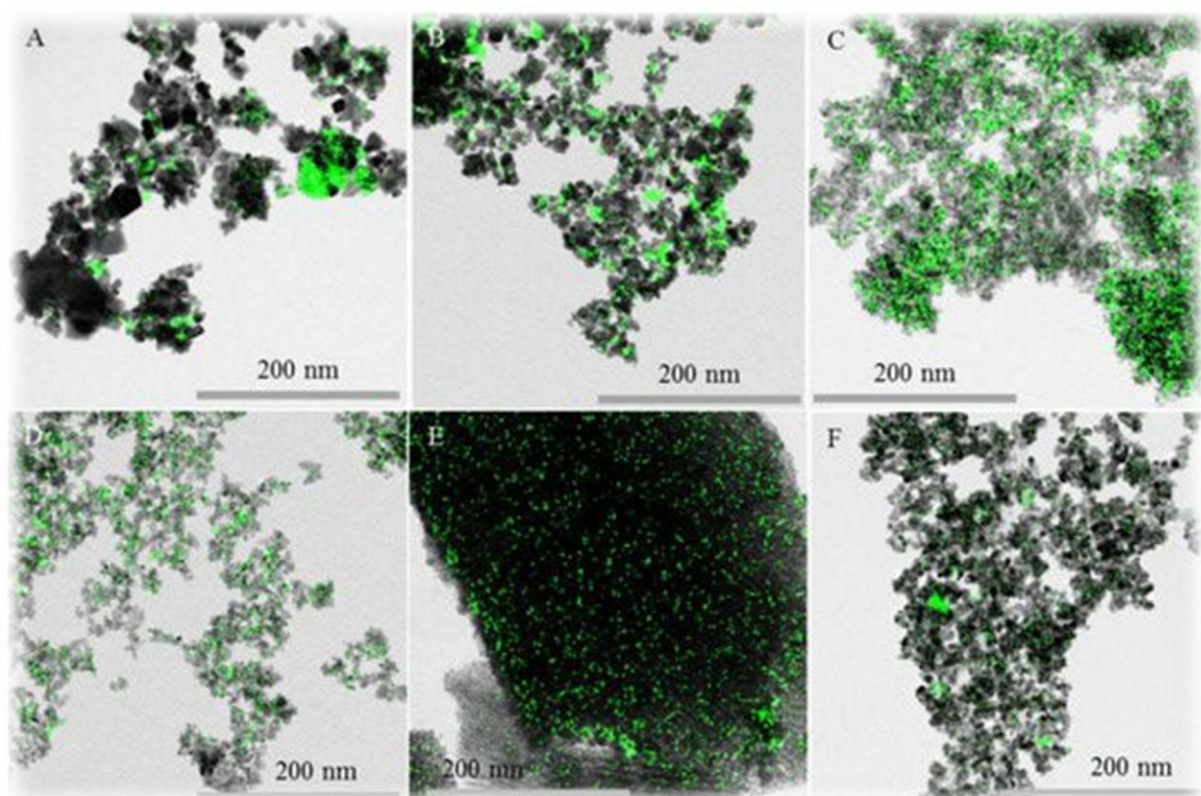
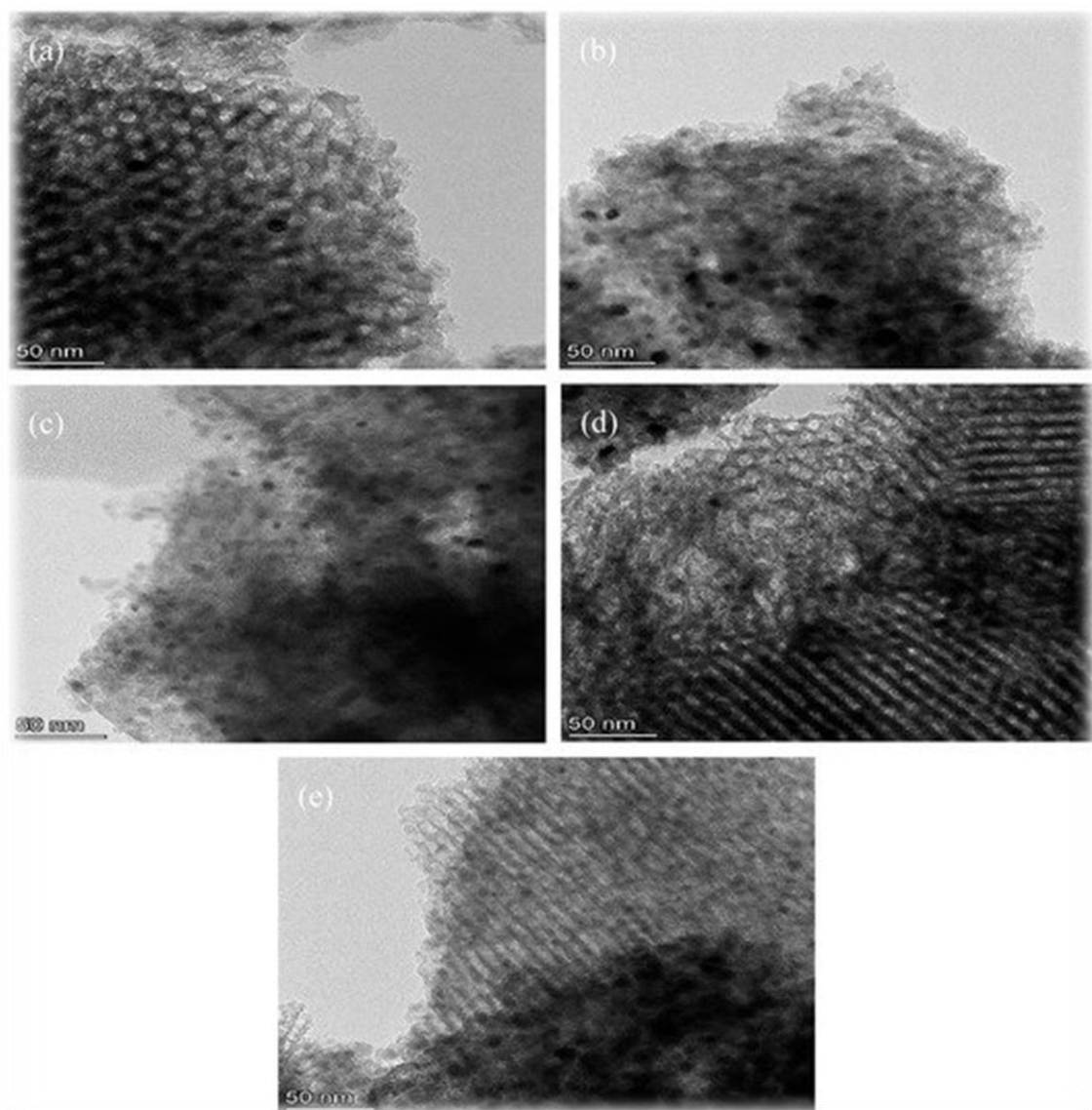


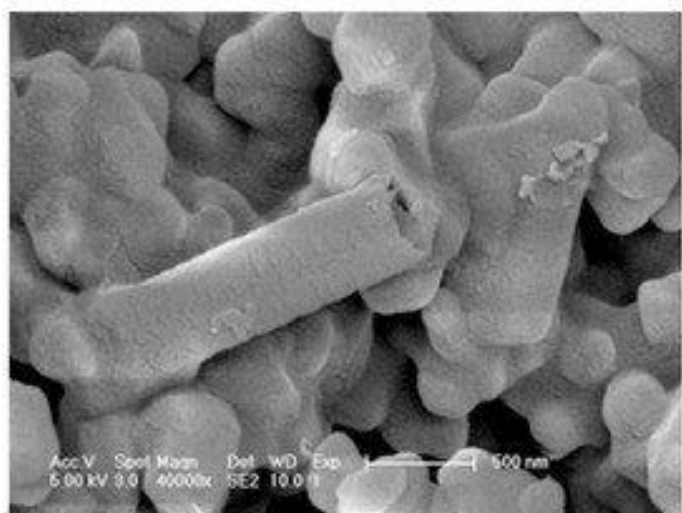
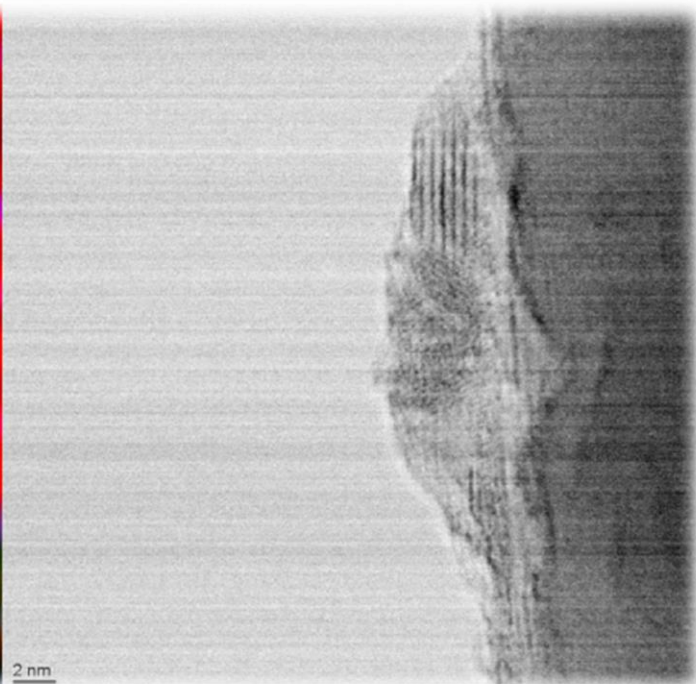
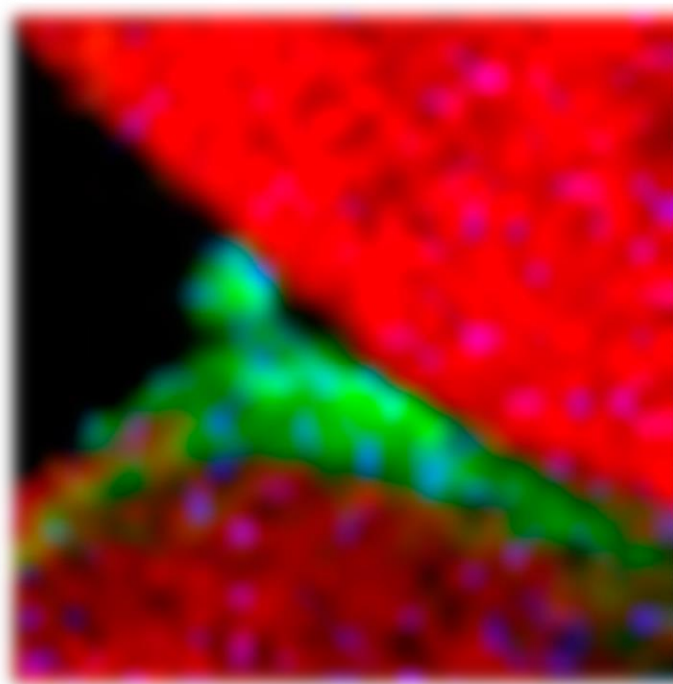




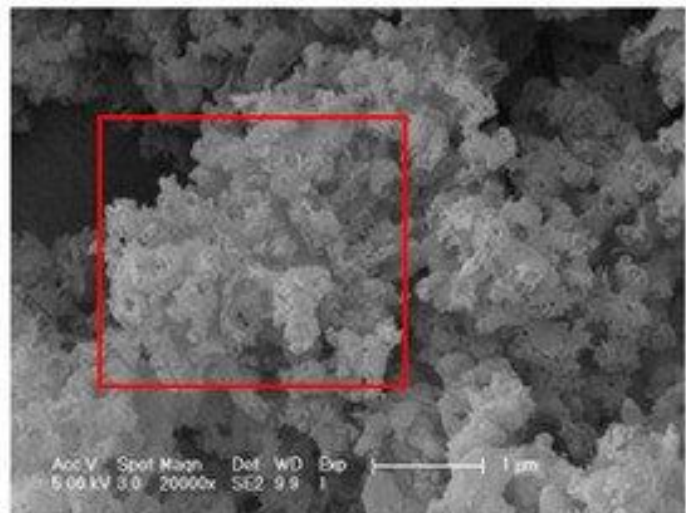




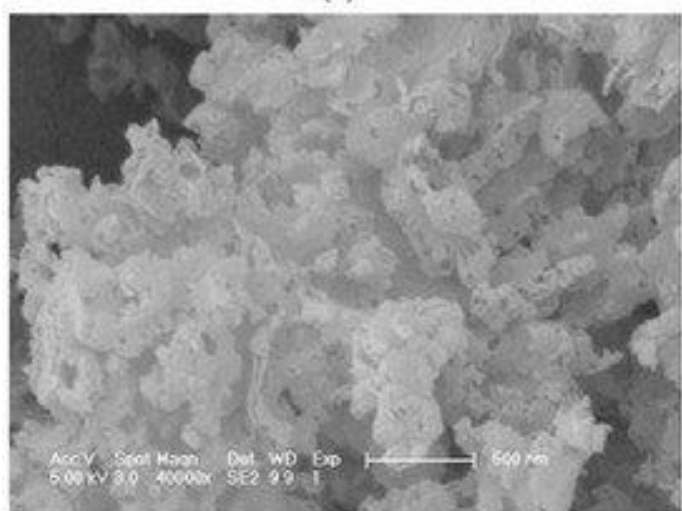




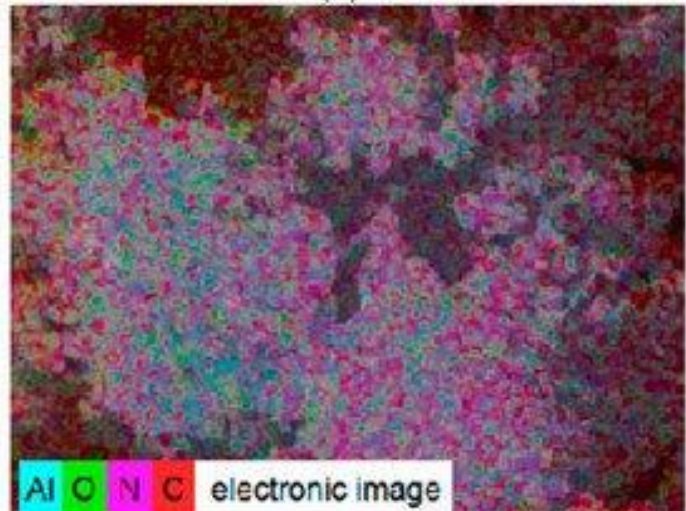
(a)



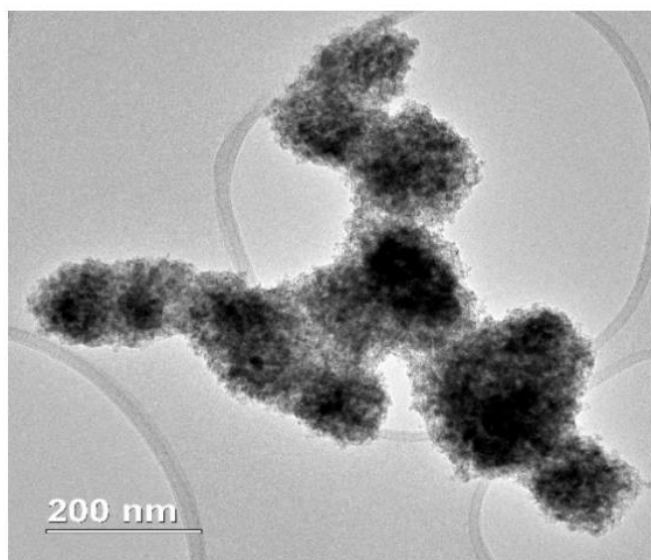
(b)



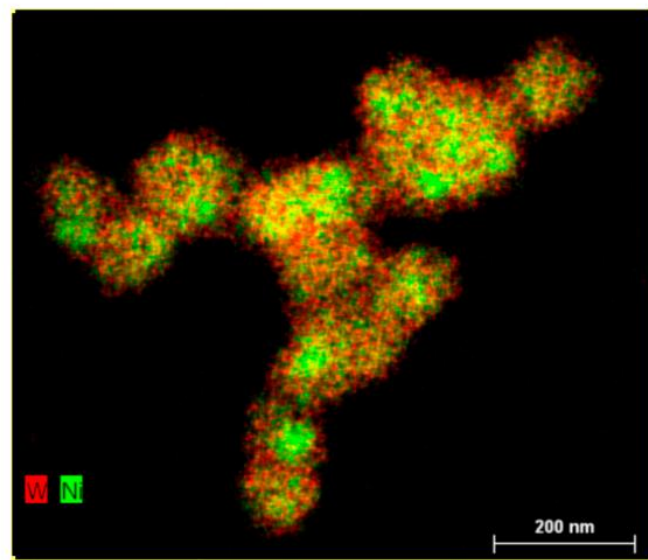
(c)



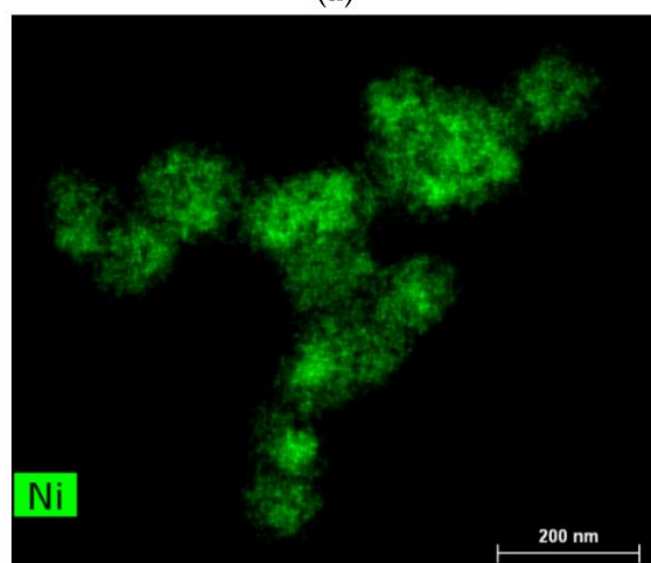
(d)



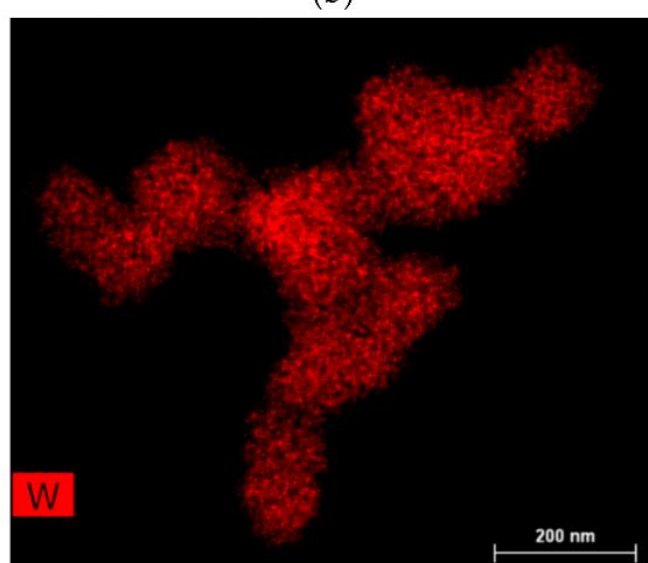
(a)



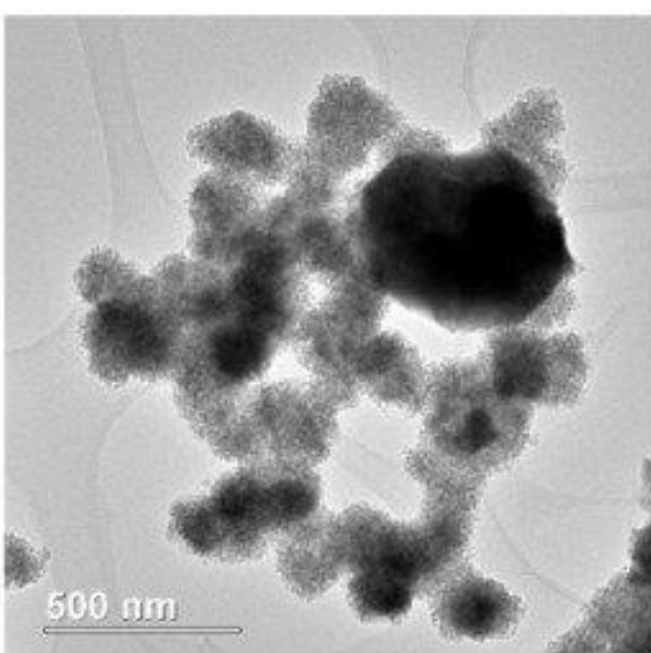
(b)



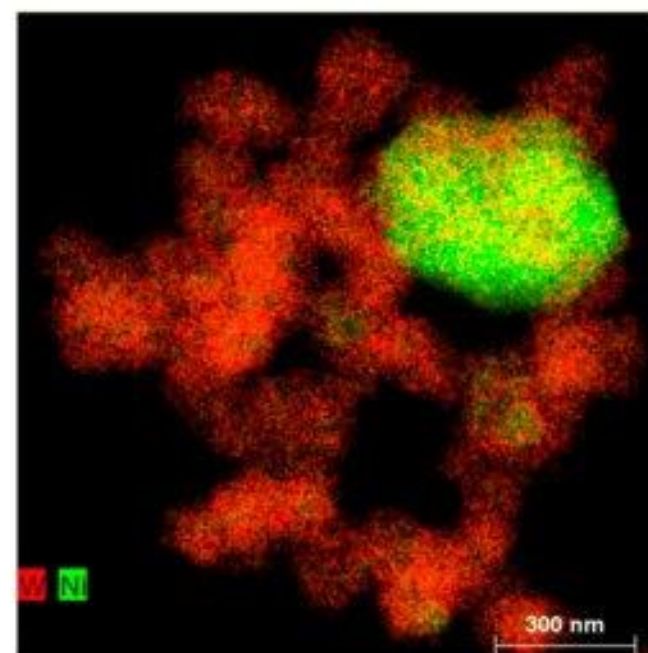
(c)



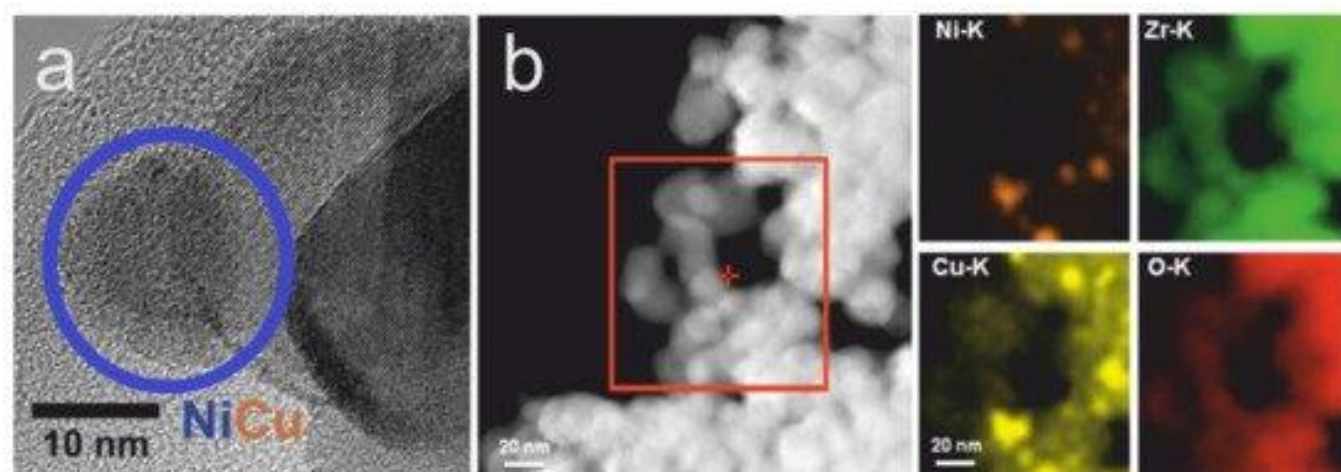
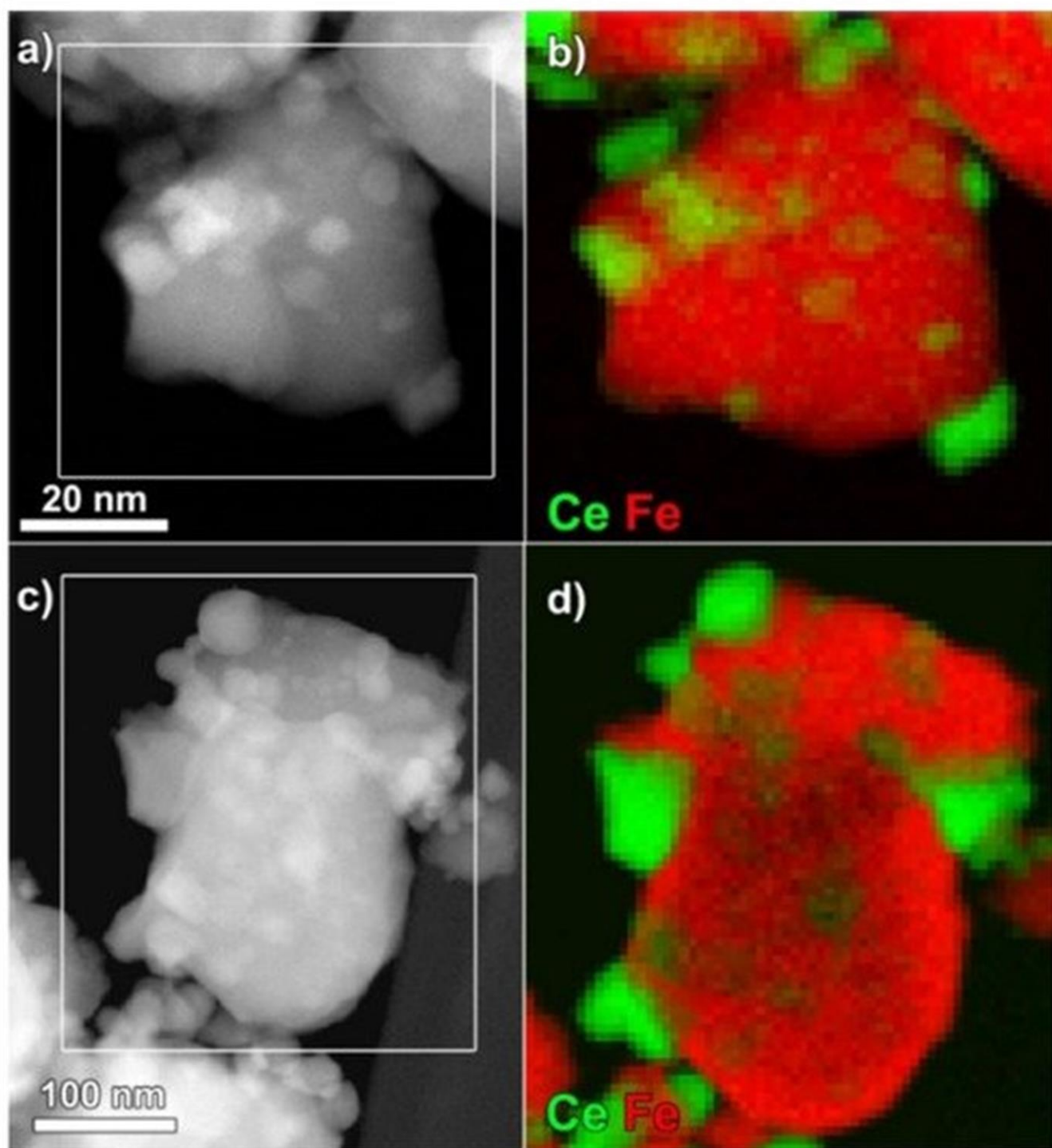
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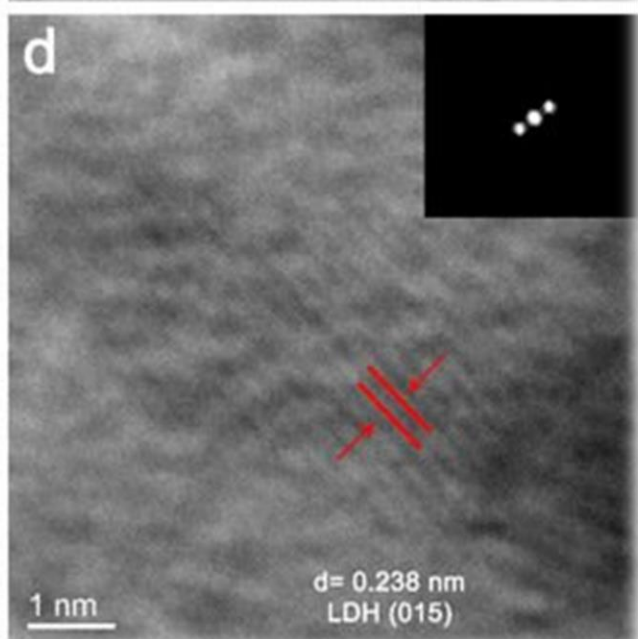
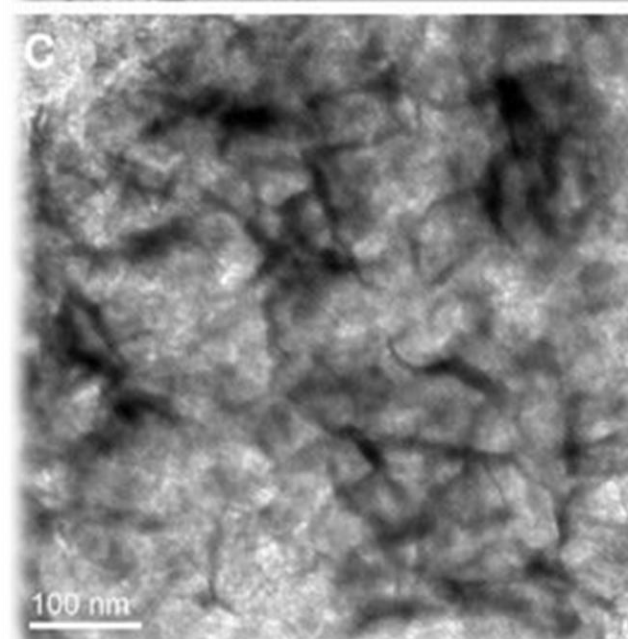
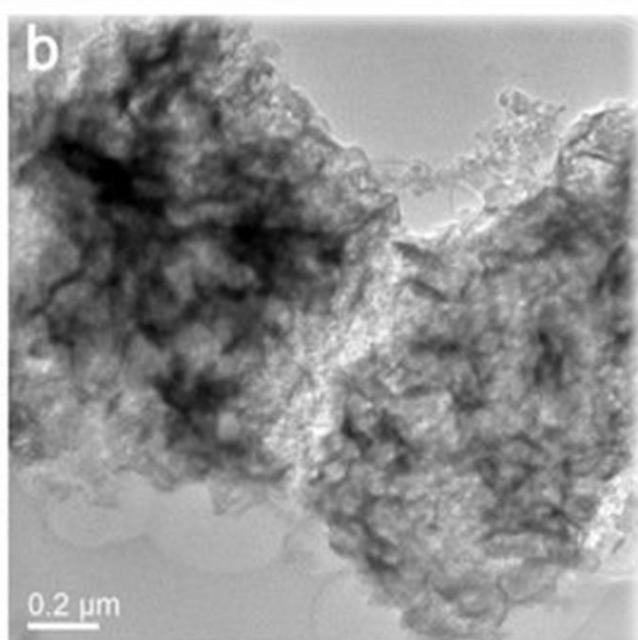
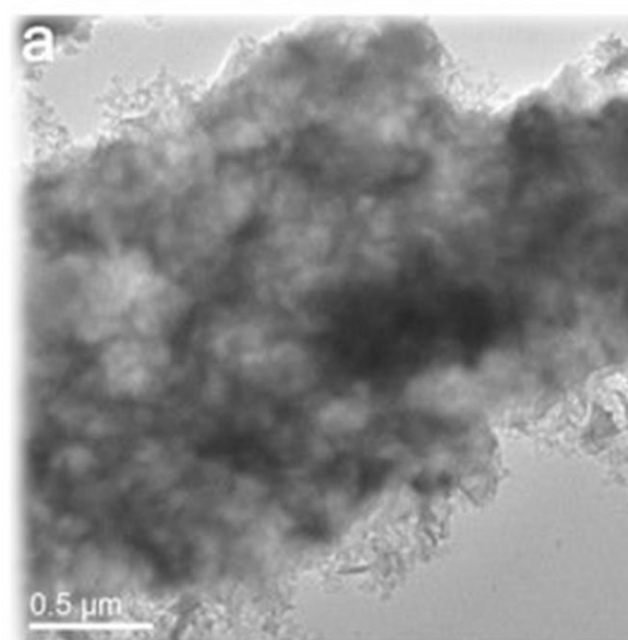
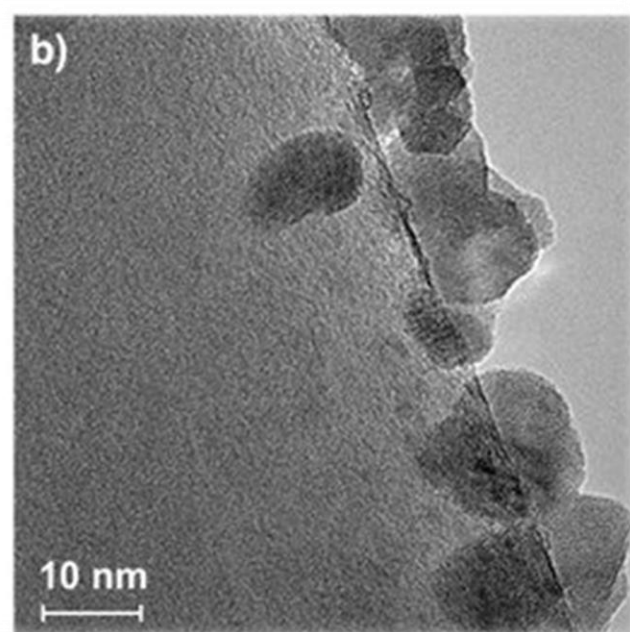
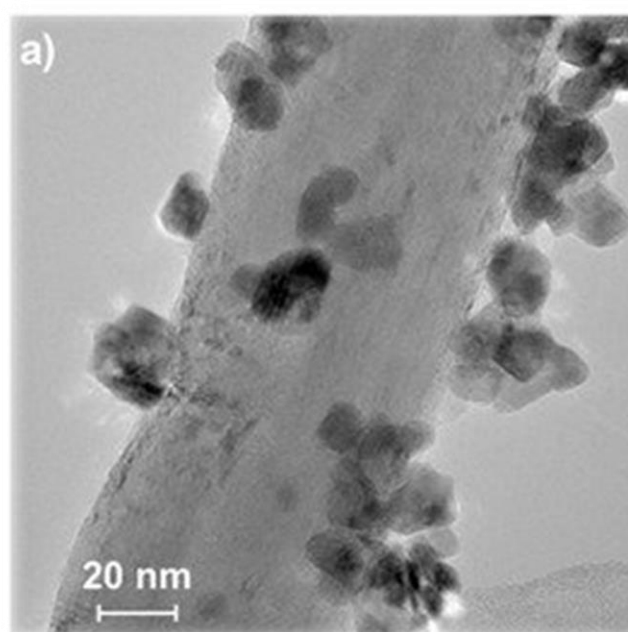


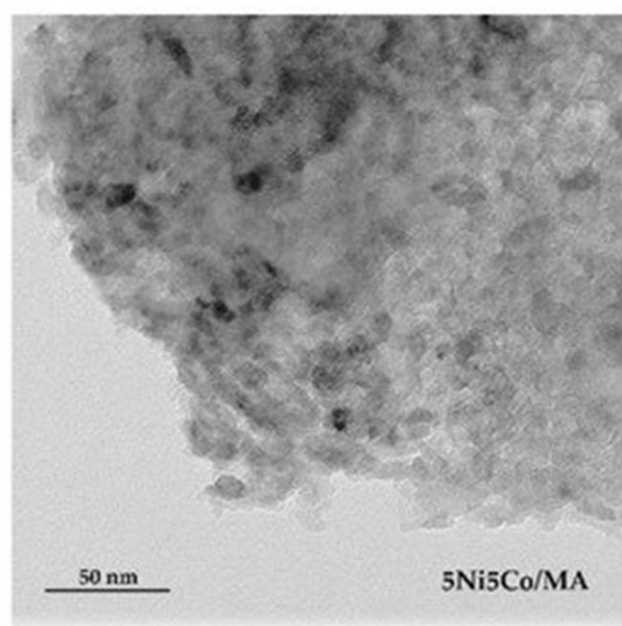
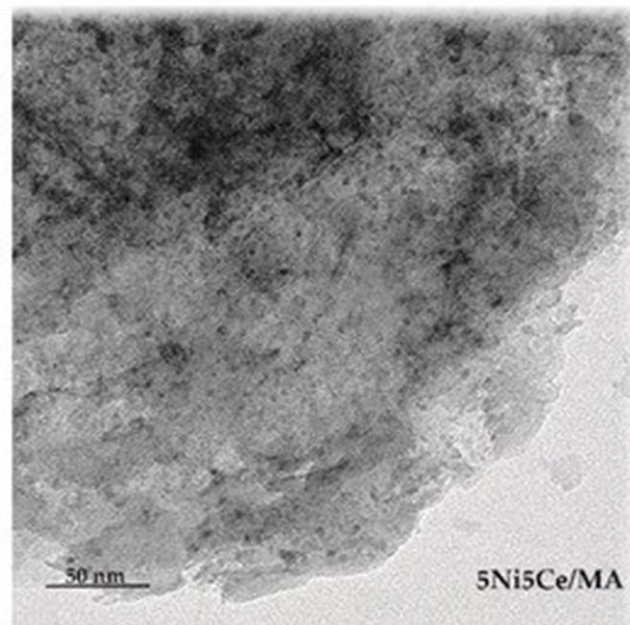
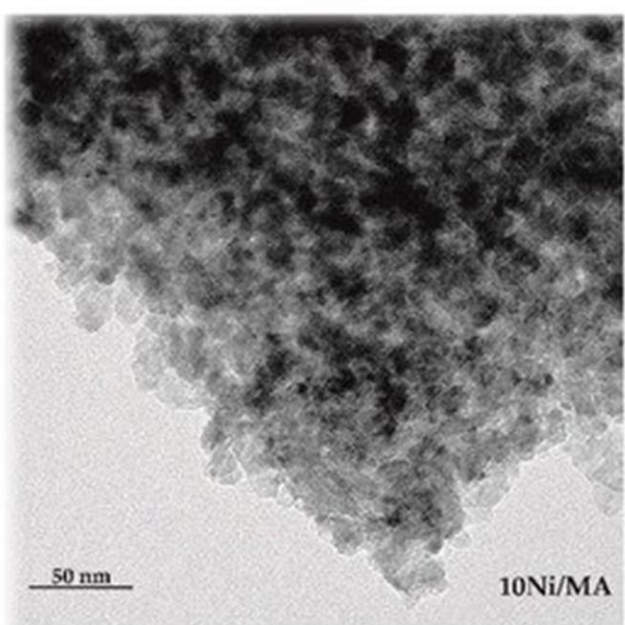
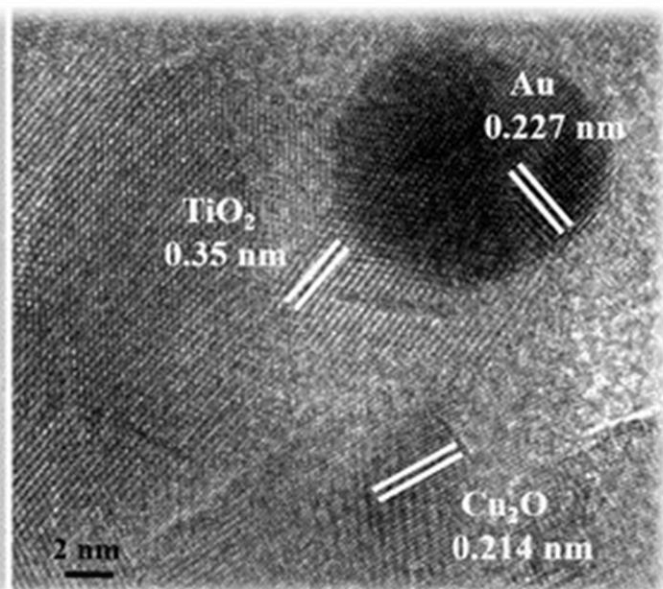
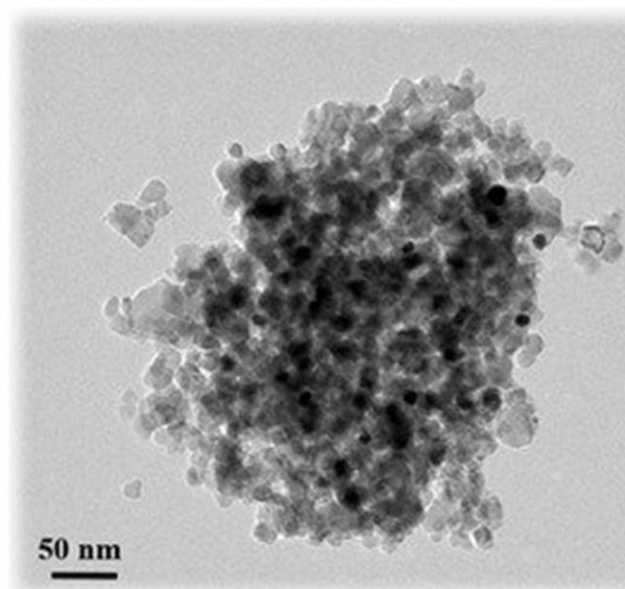
(a)

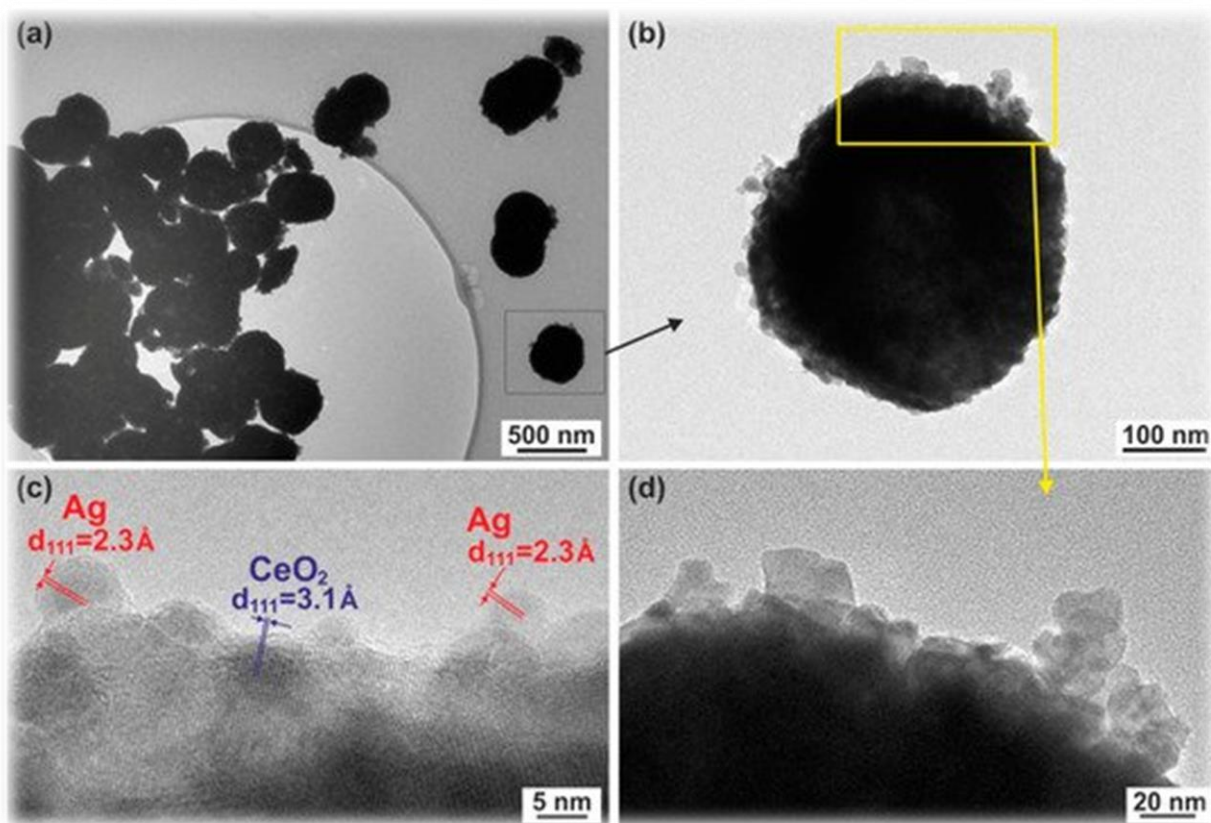
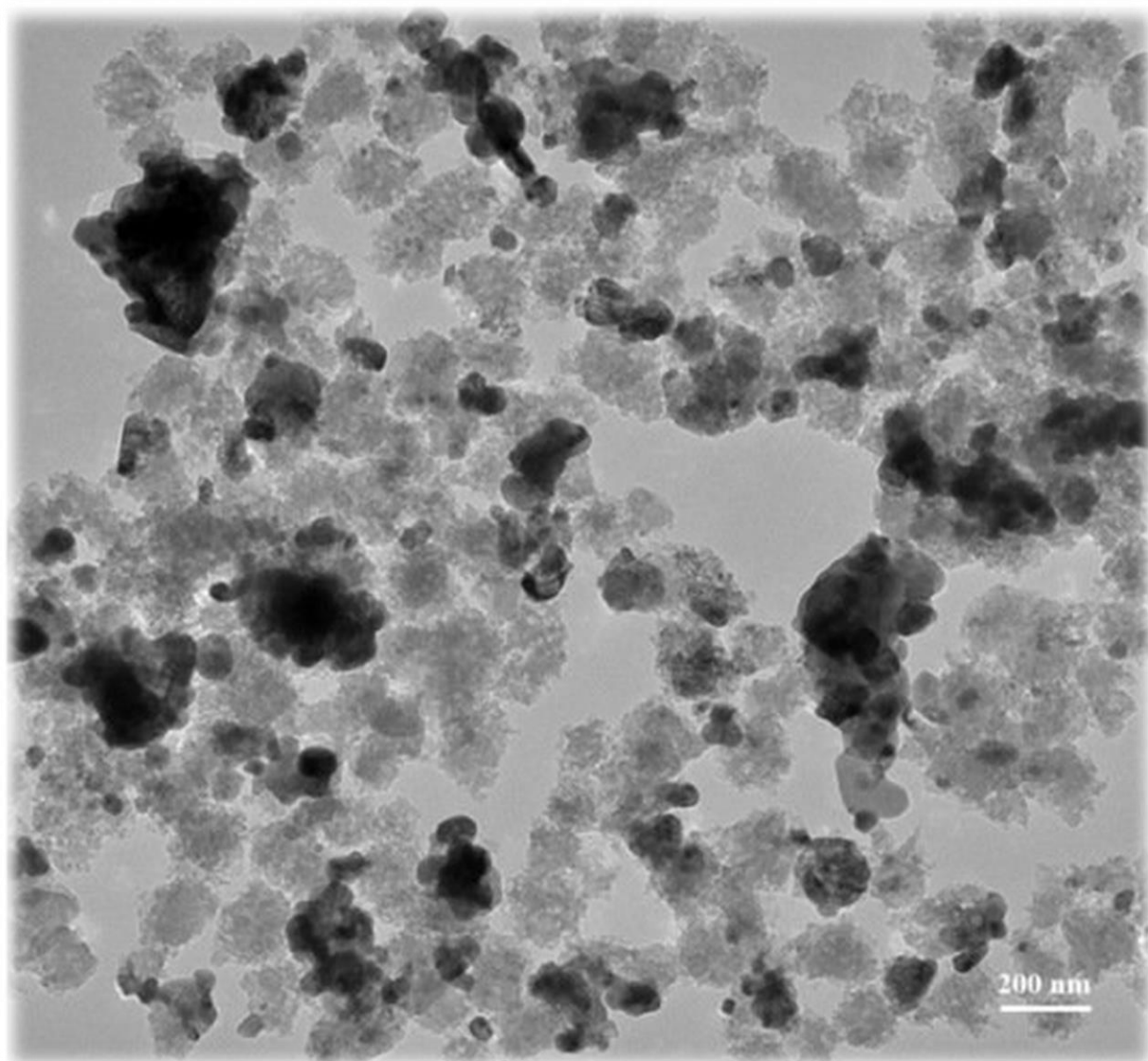


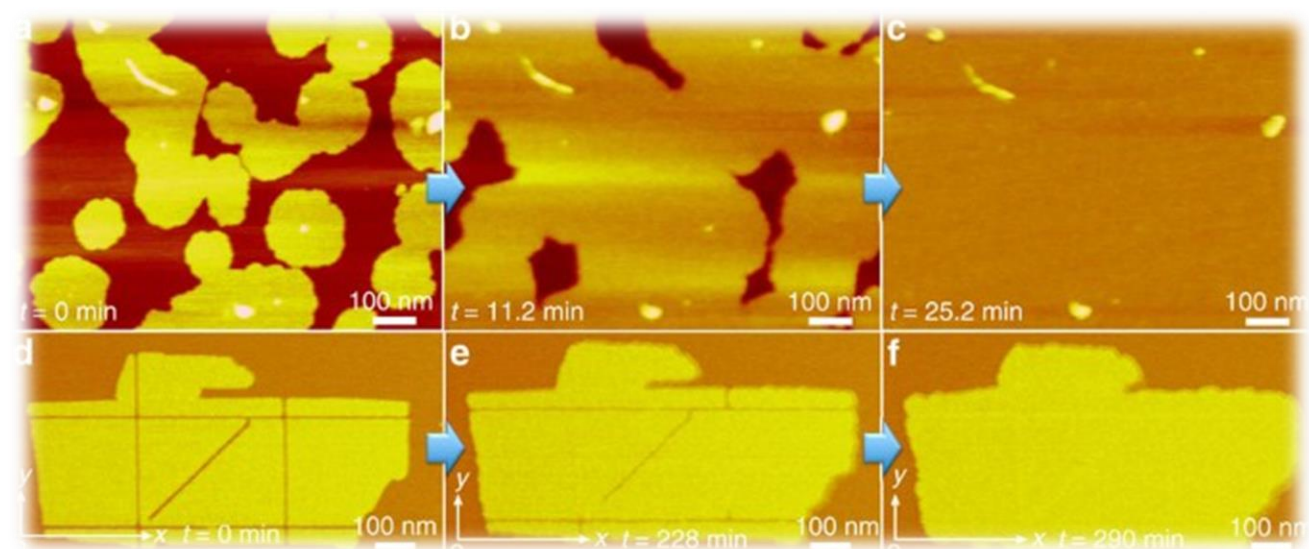
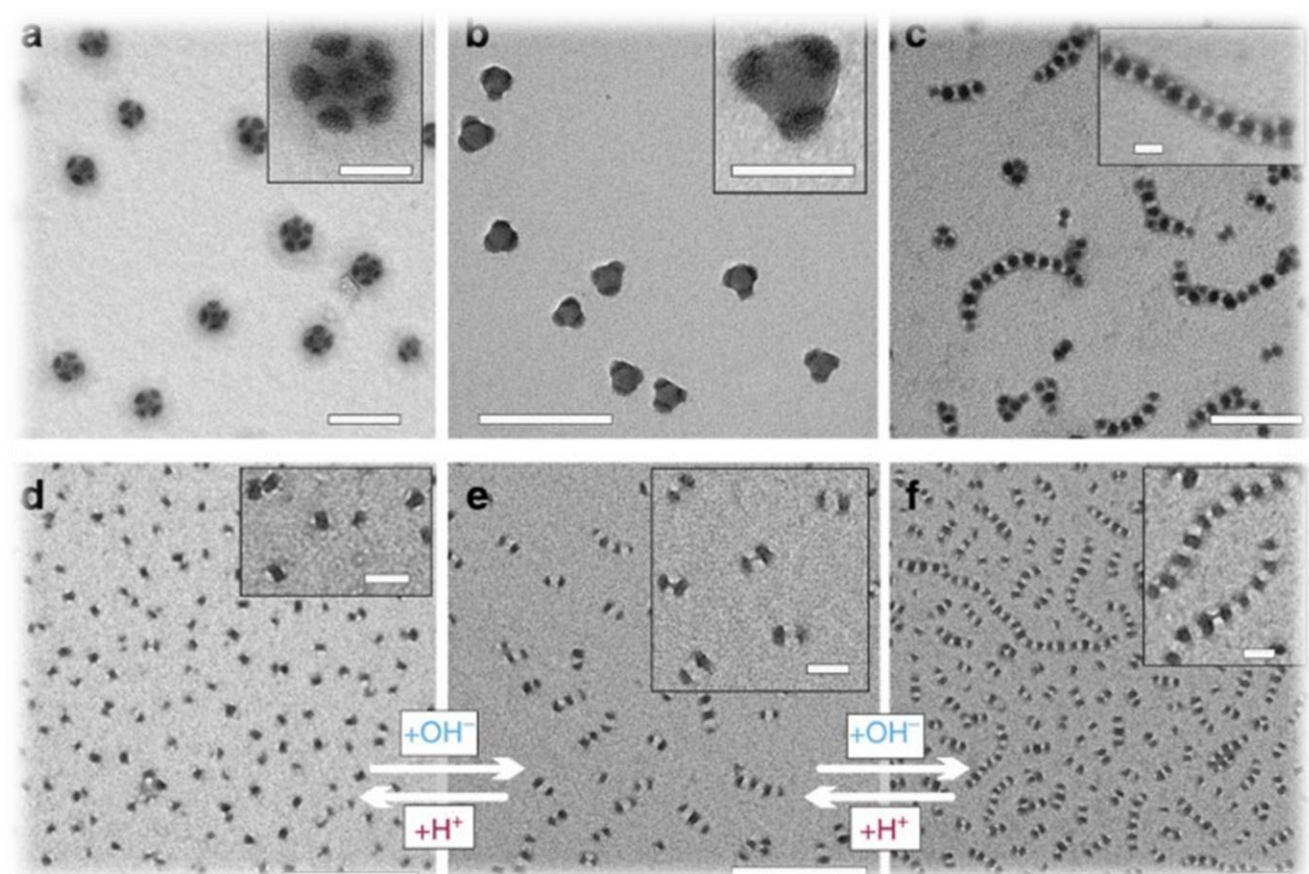
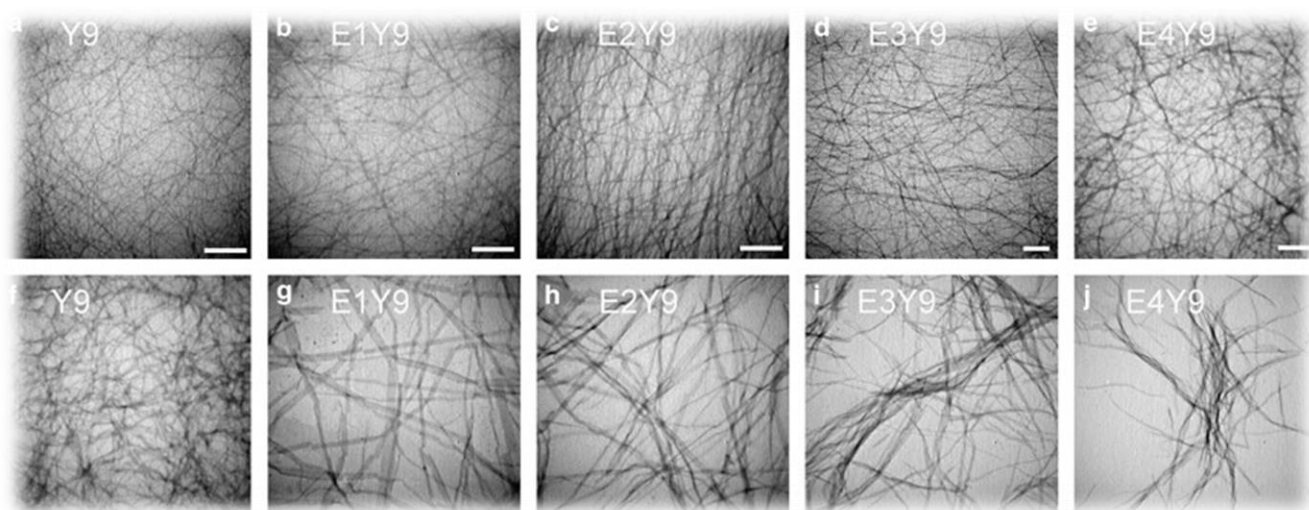
(b)

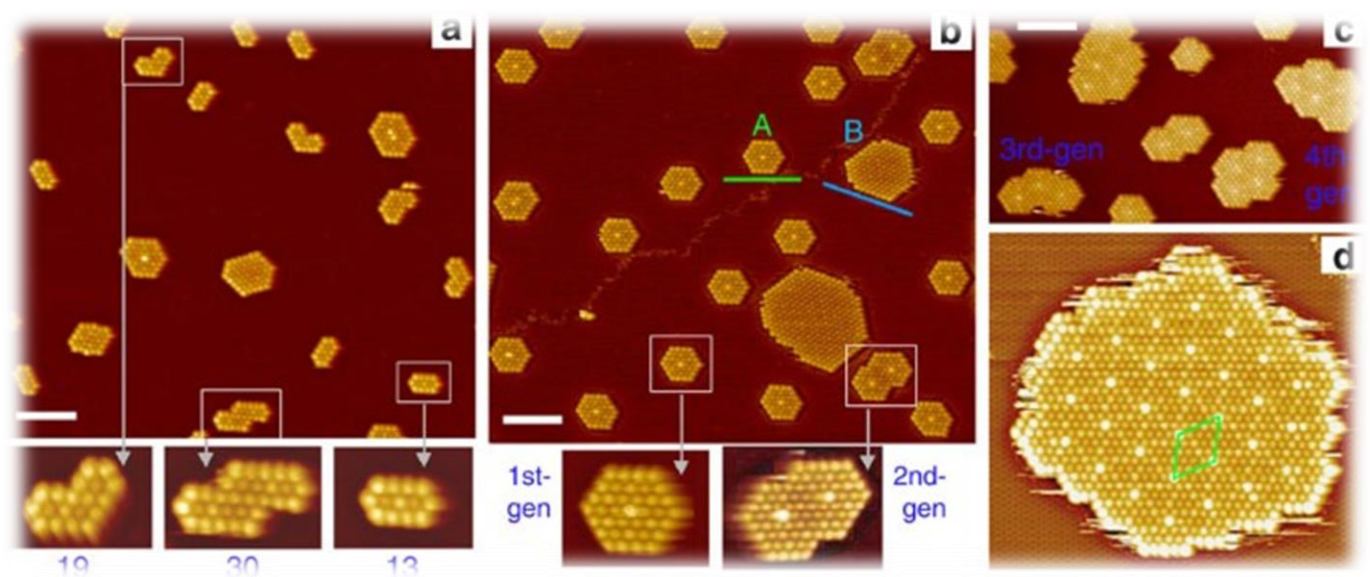
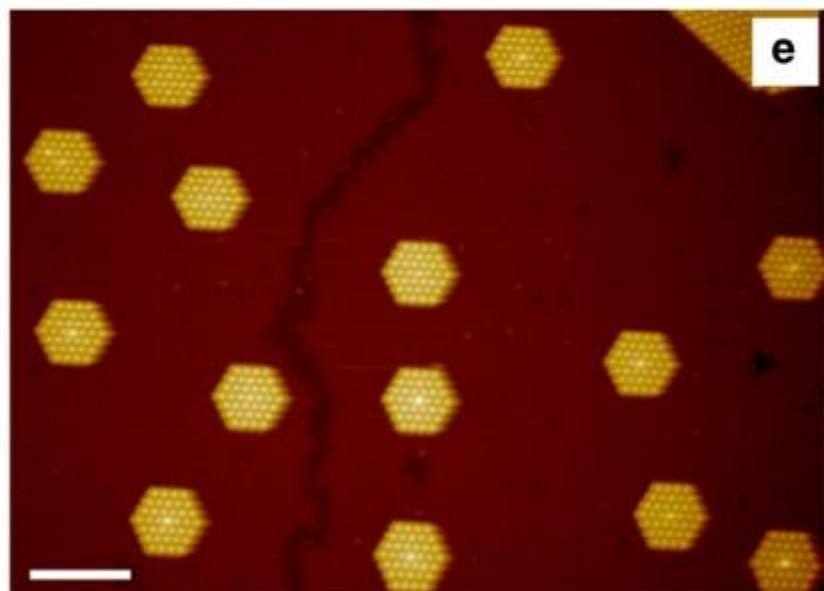
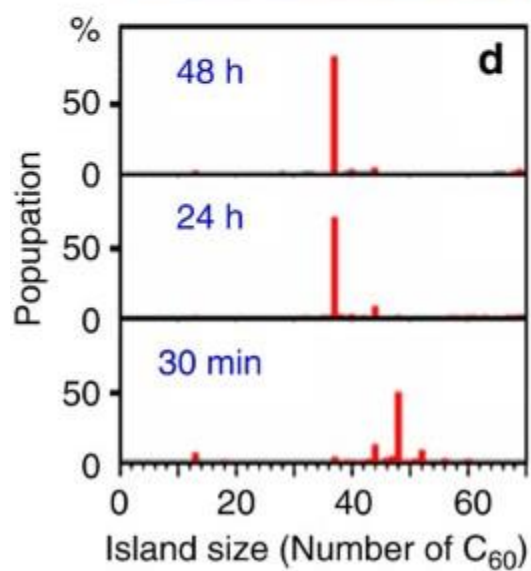
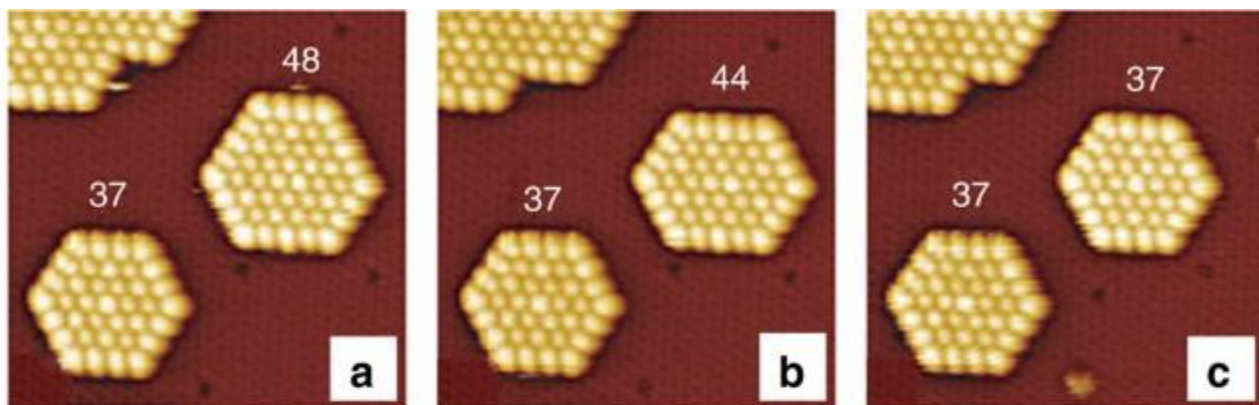
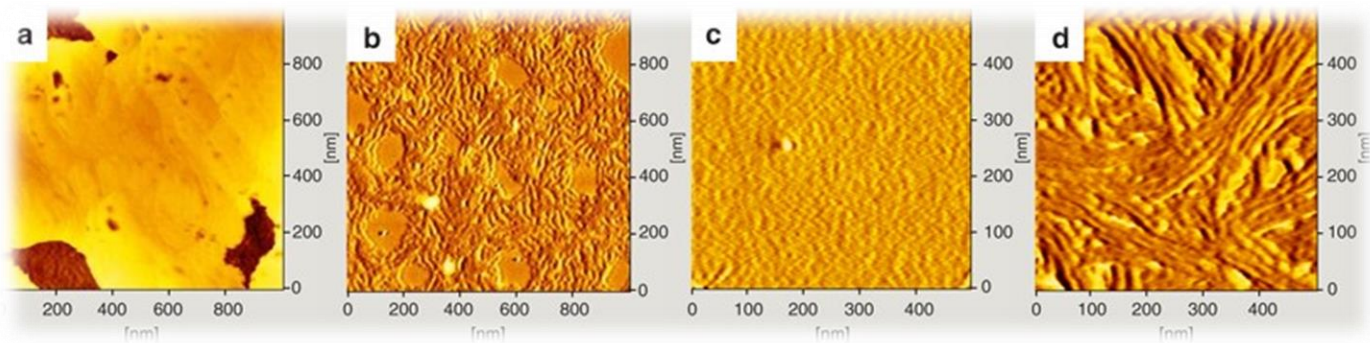


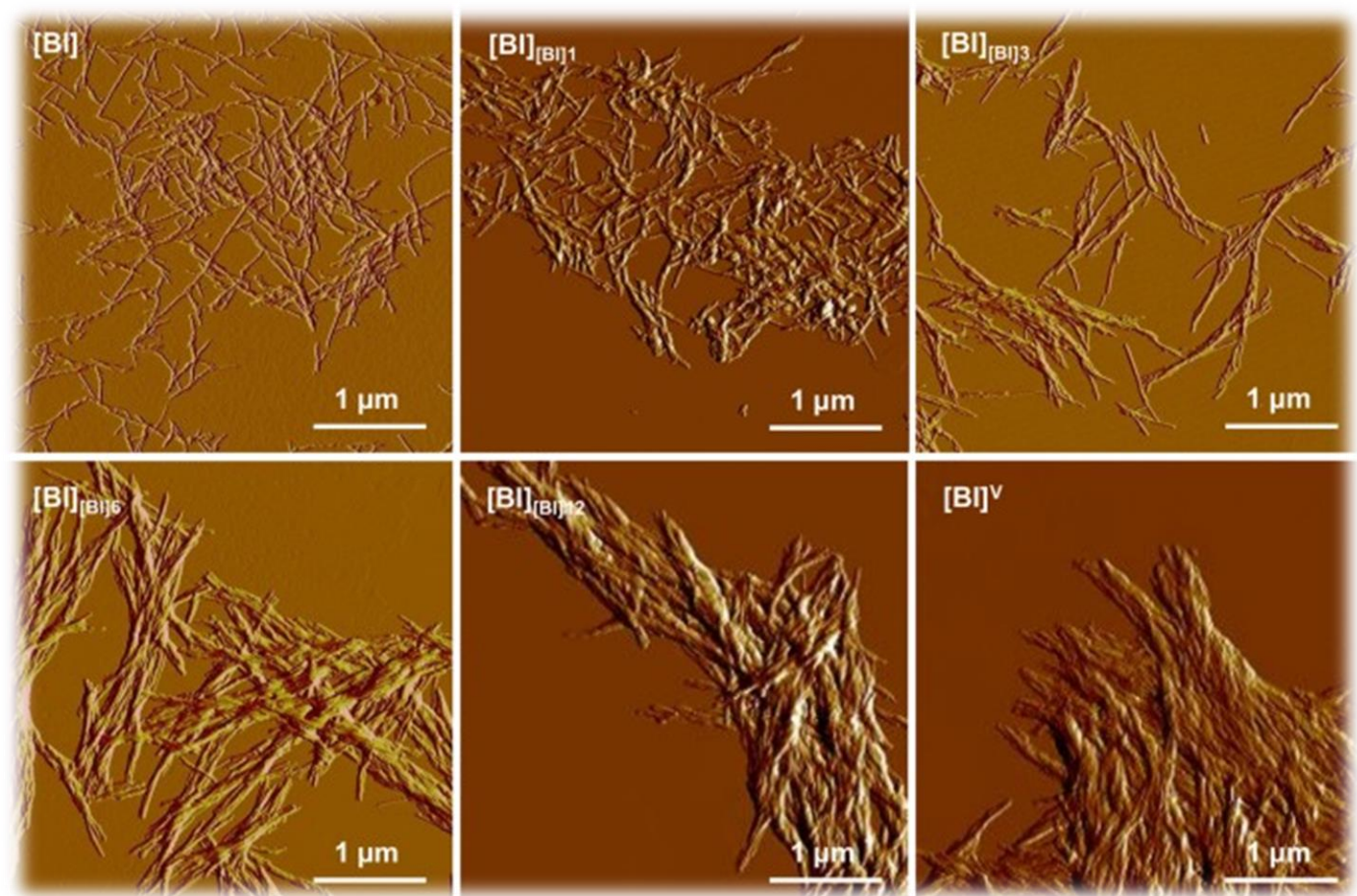
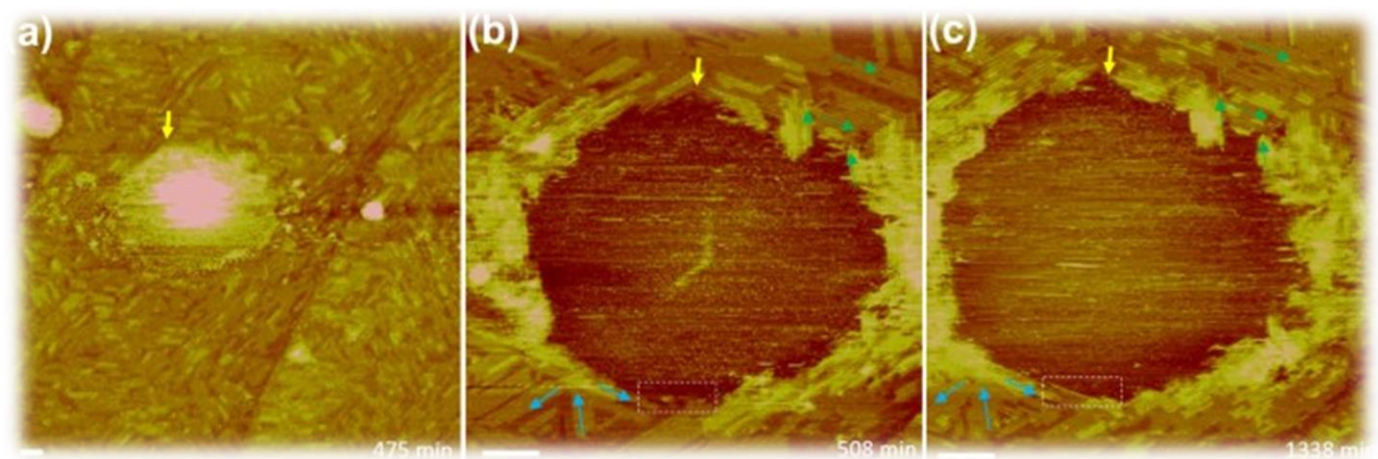
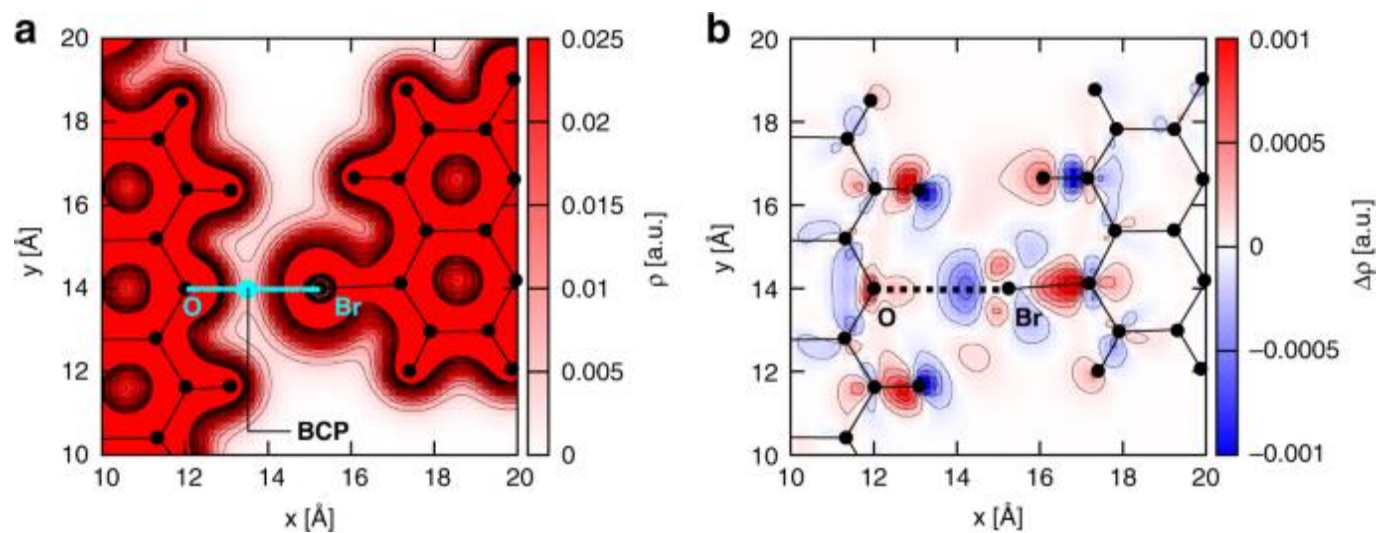


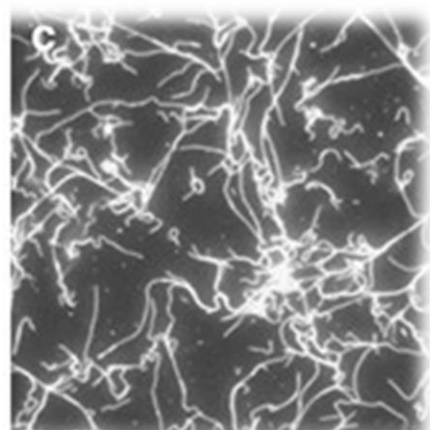
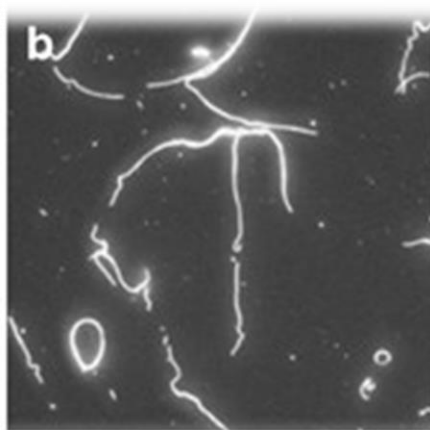
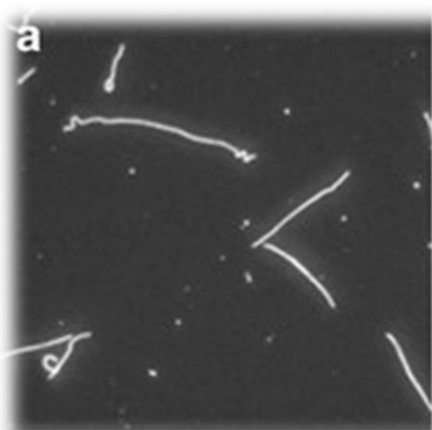
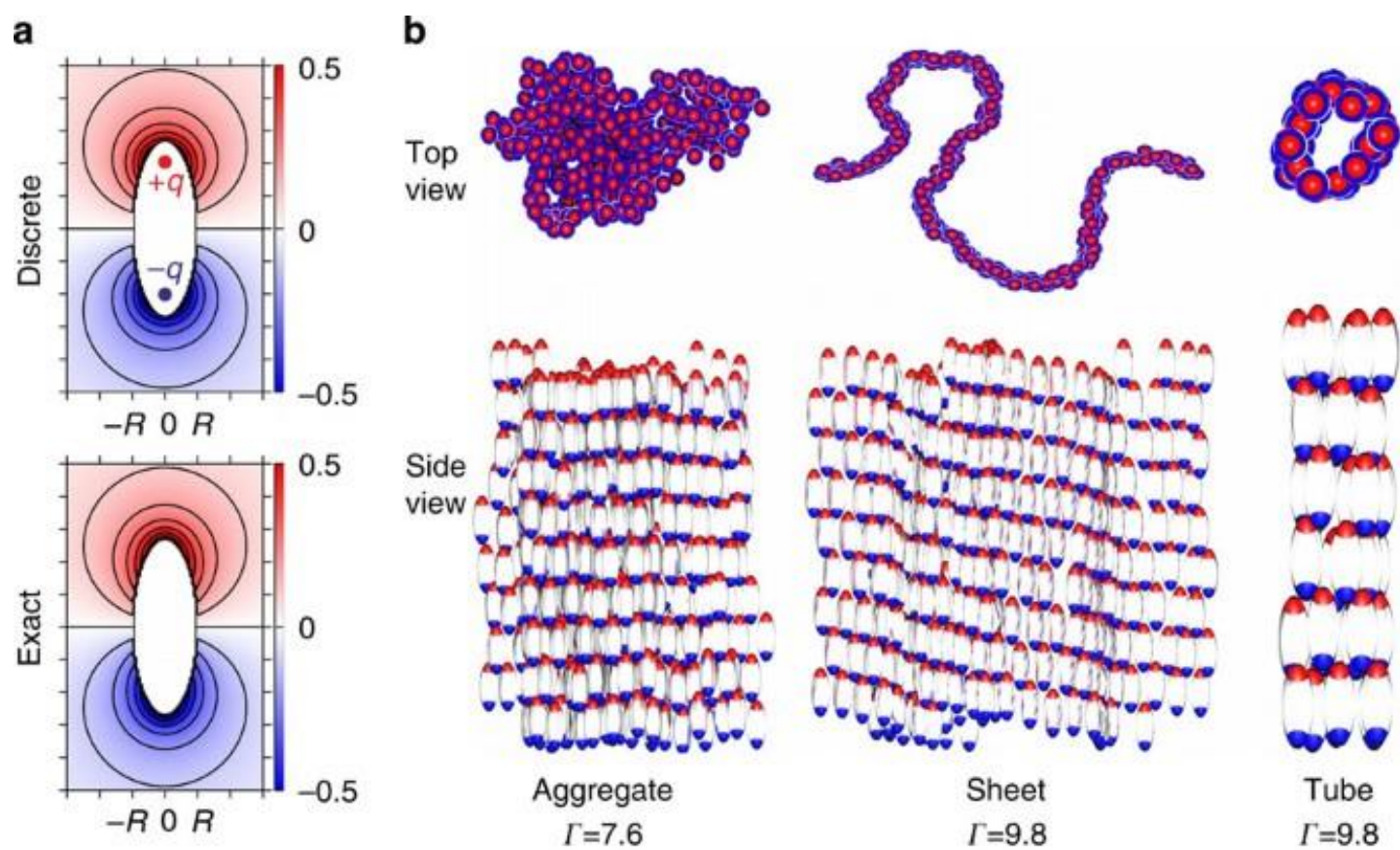
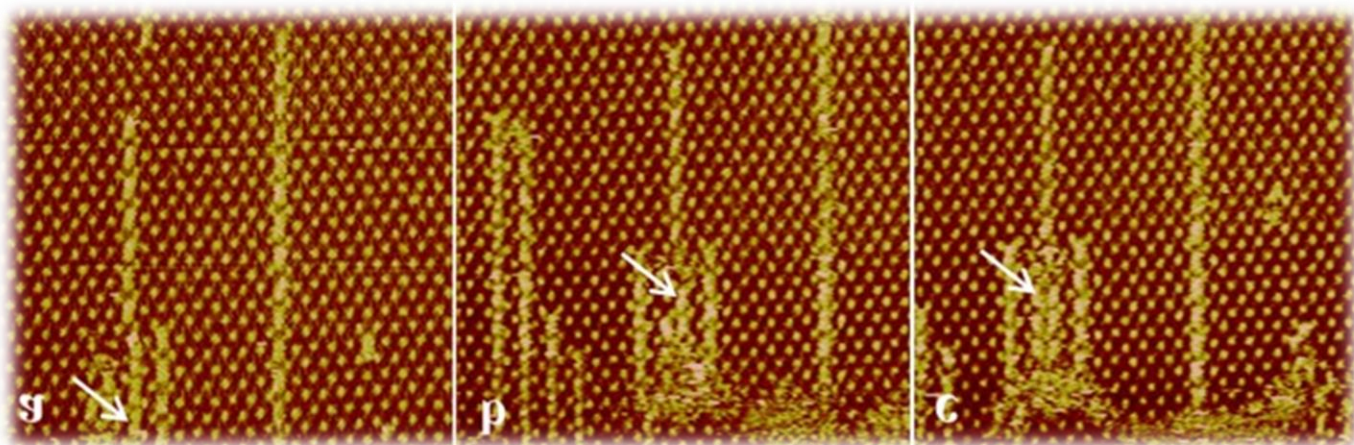


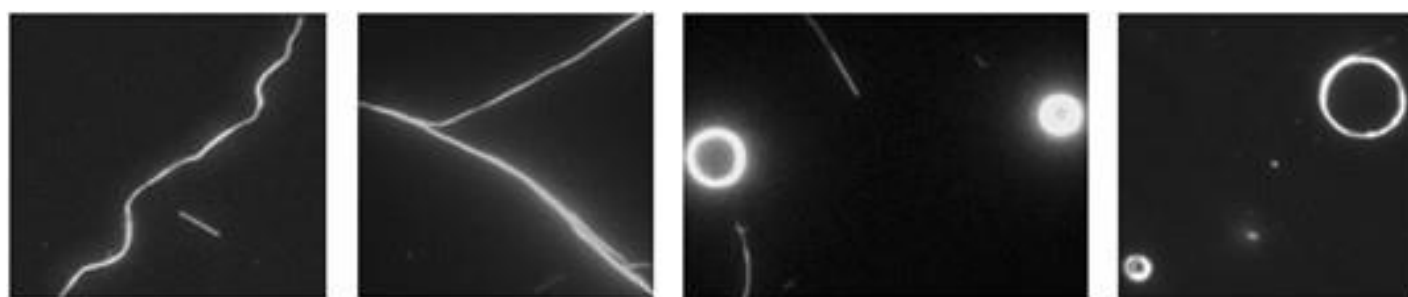










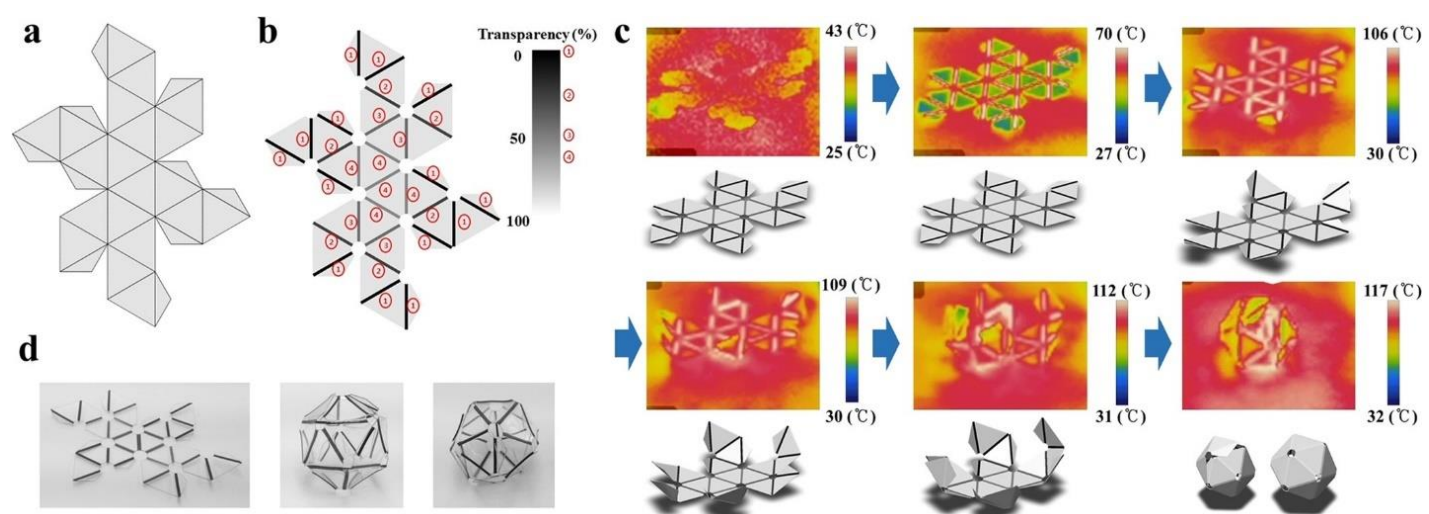
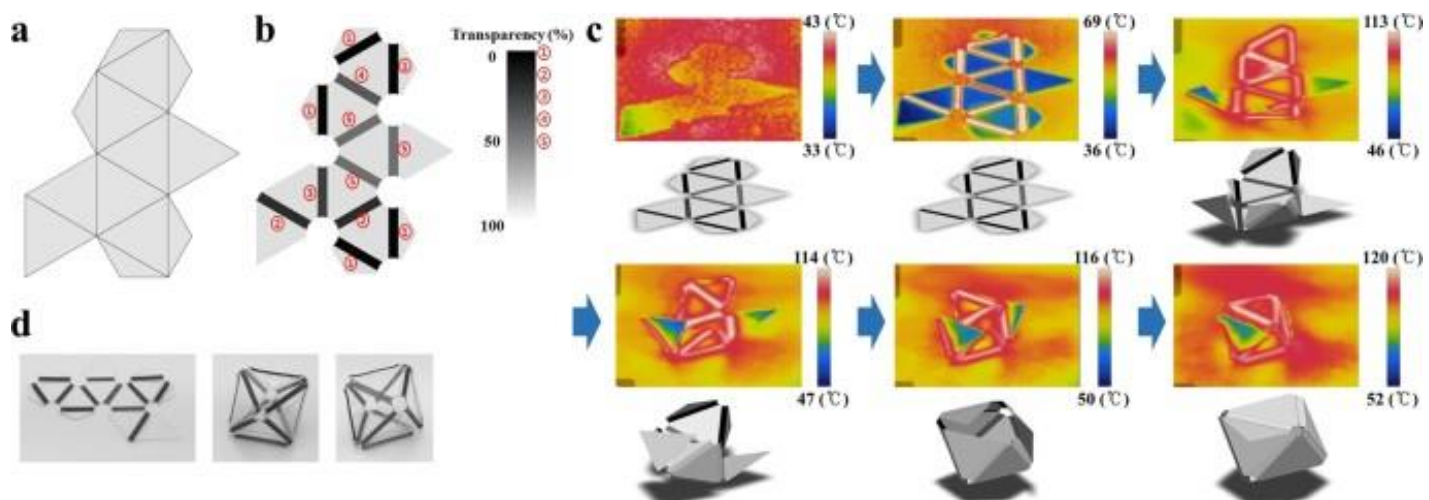
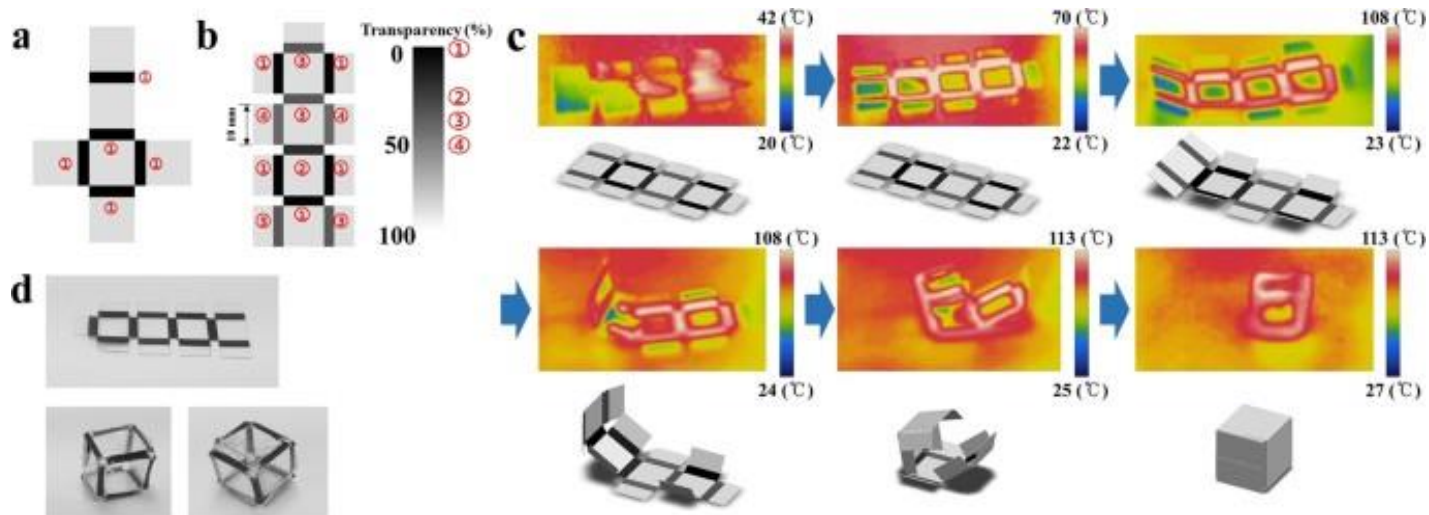


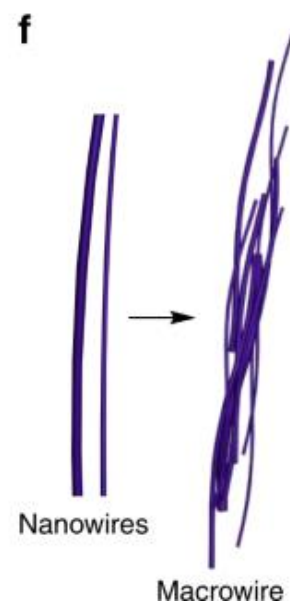
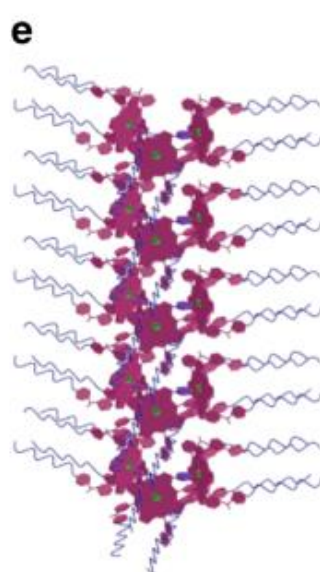
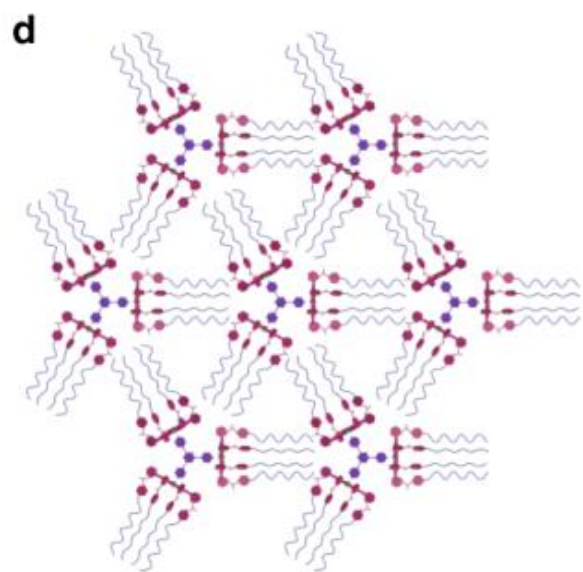
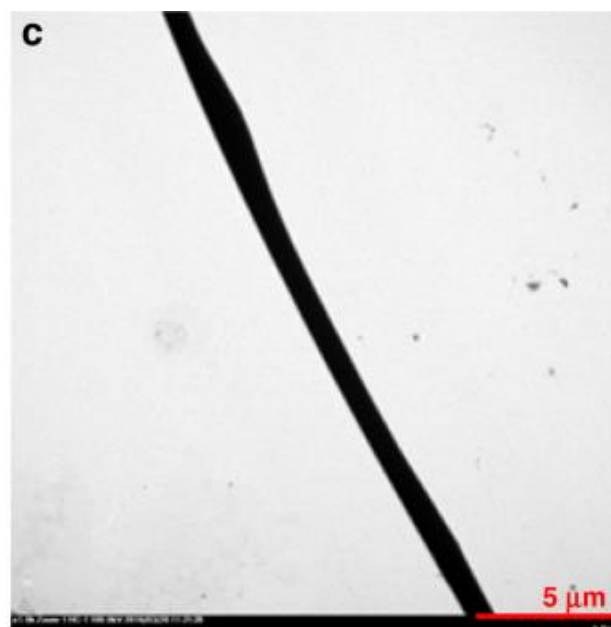
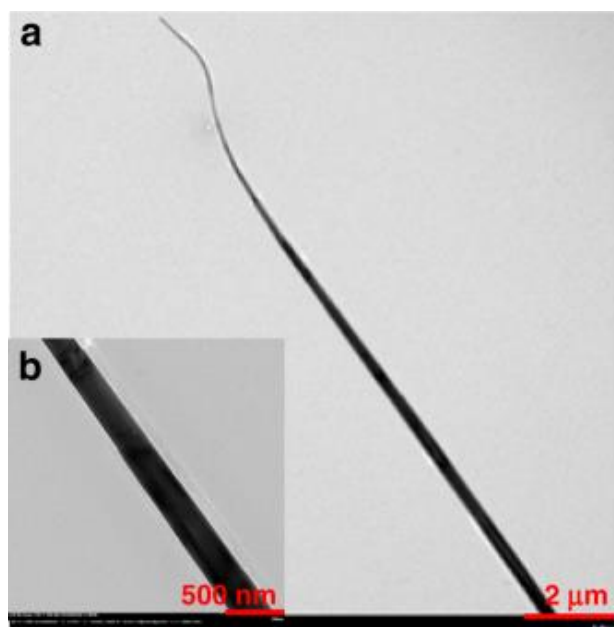
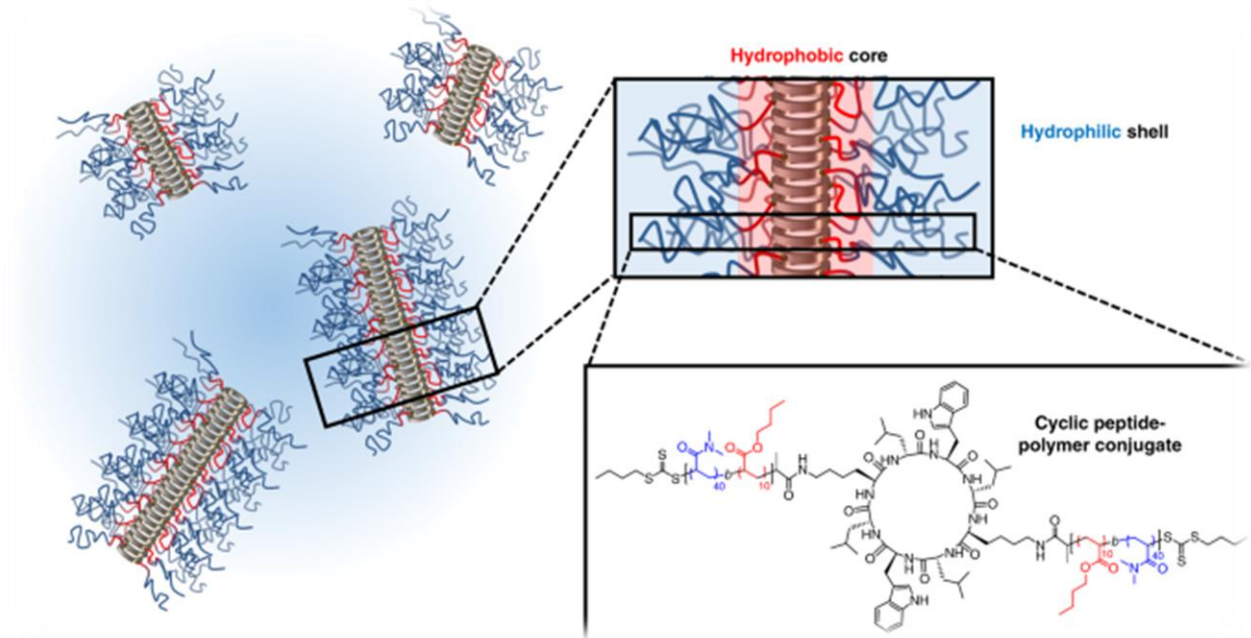
60 min

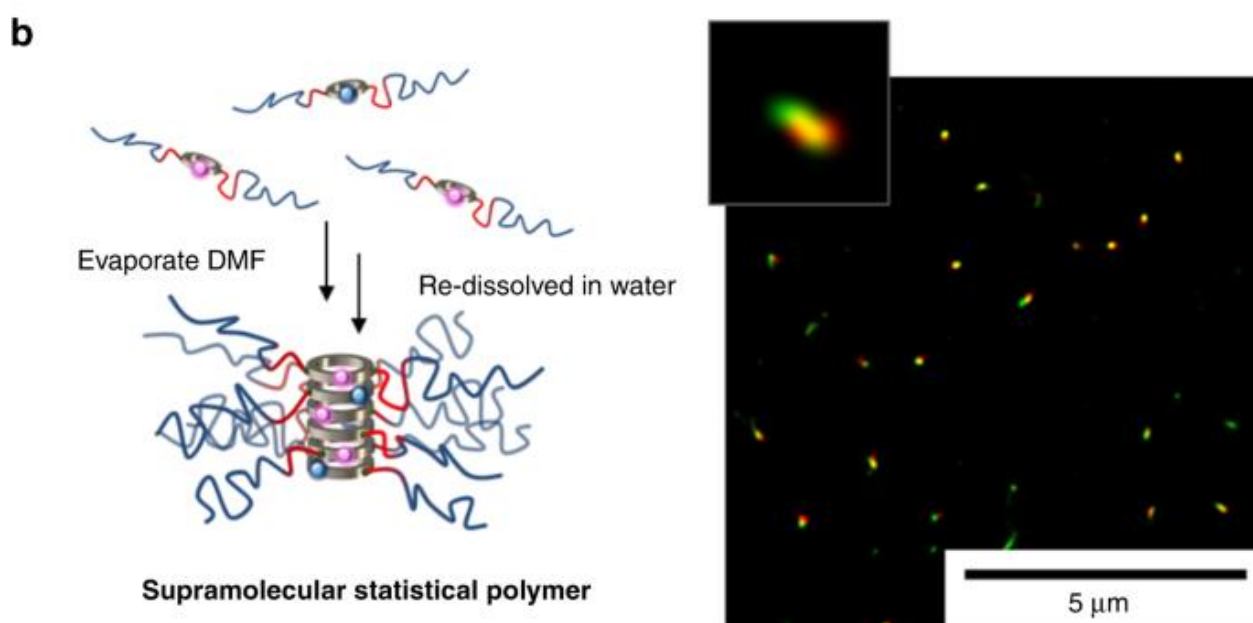
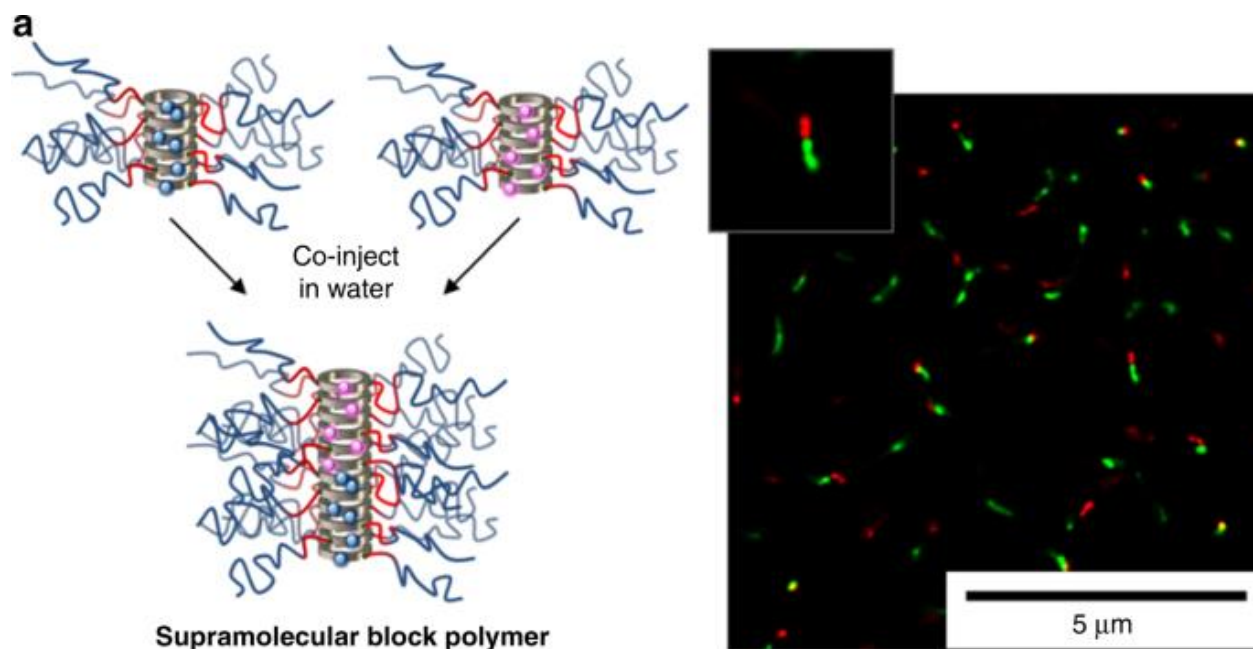
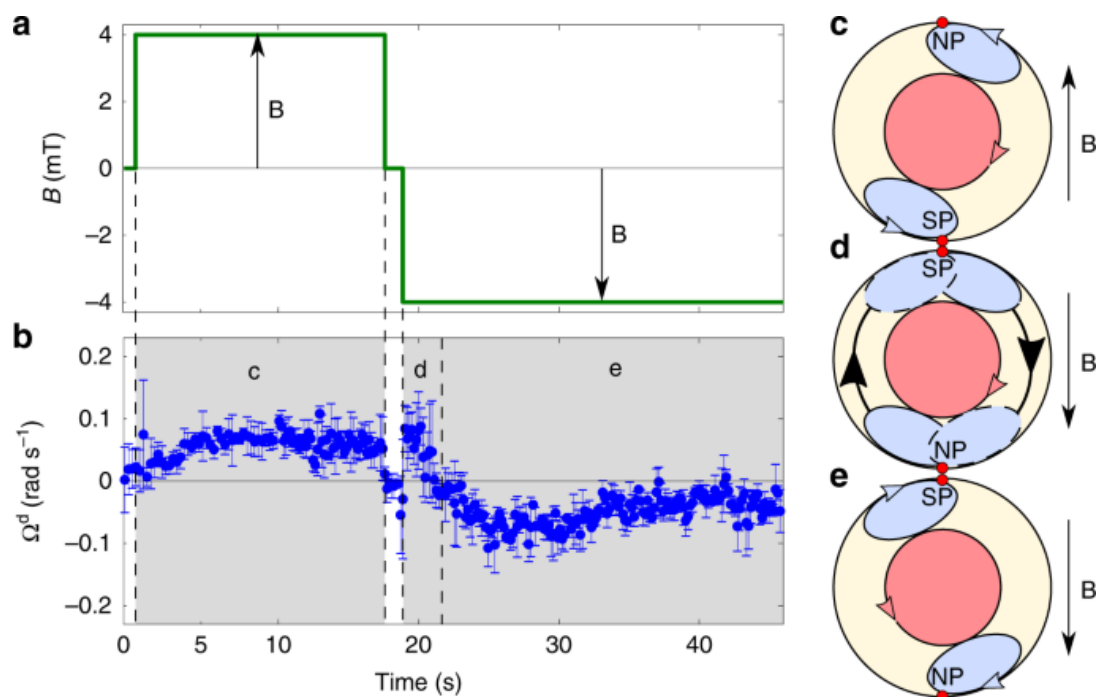
120 min

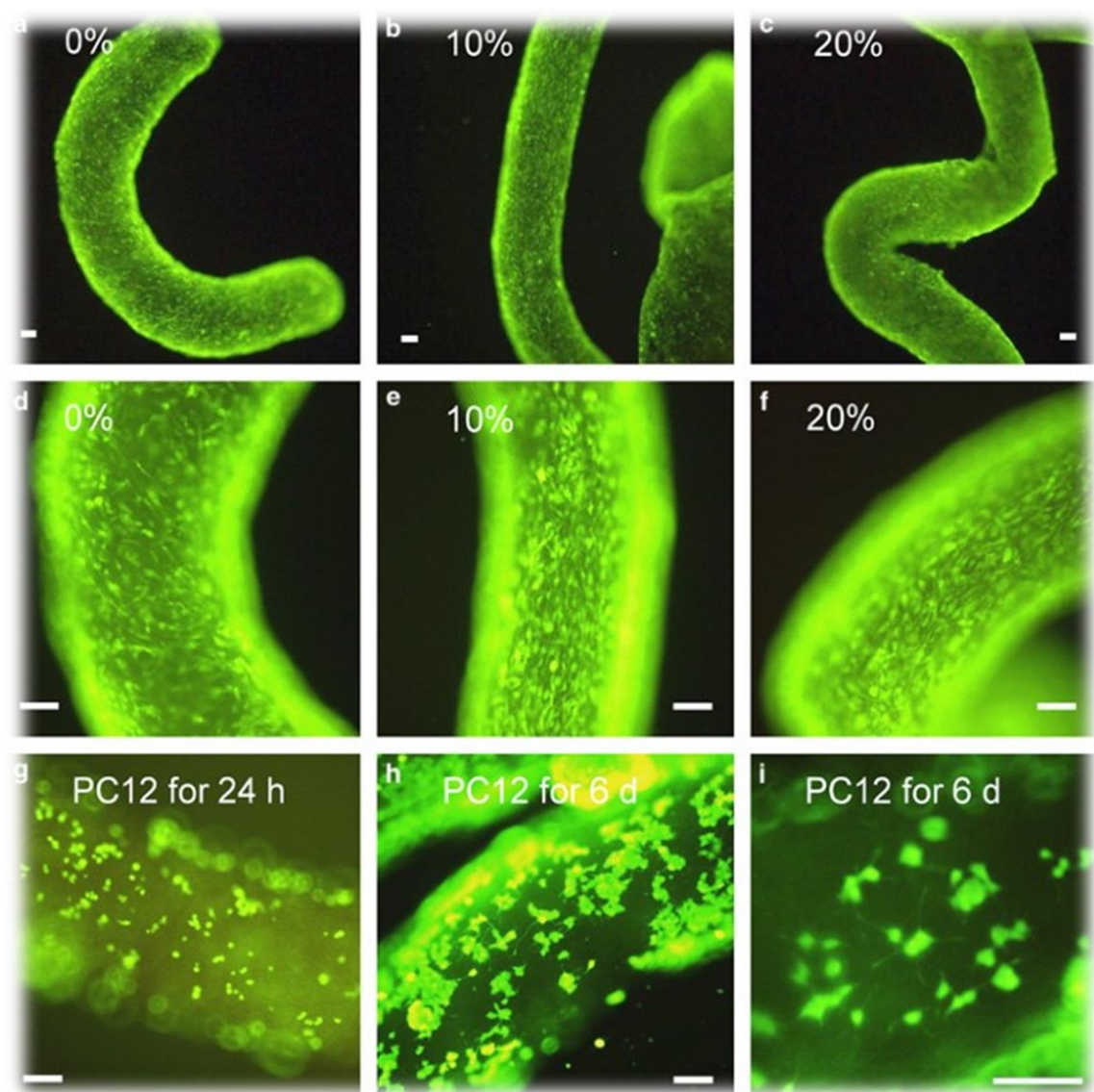
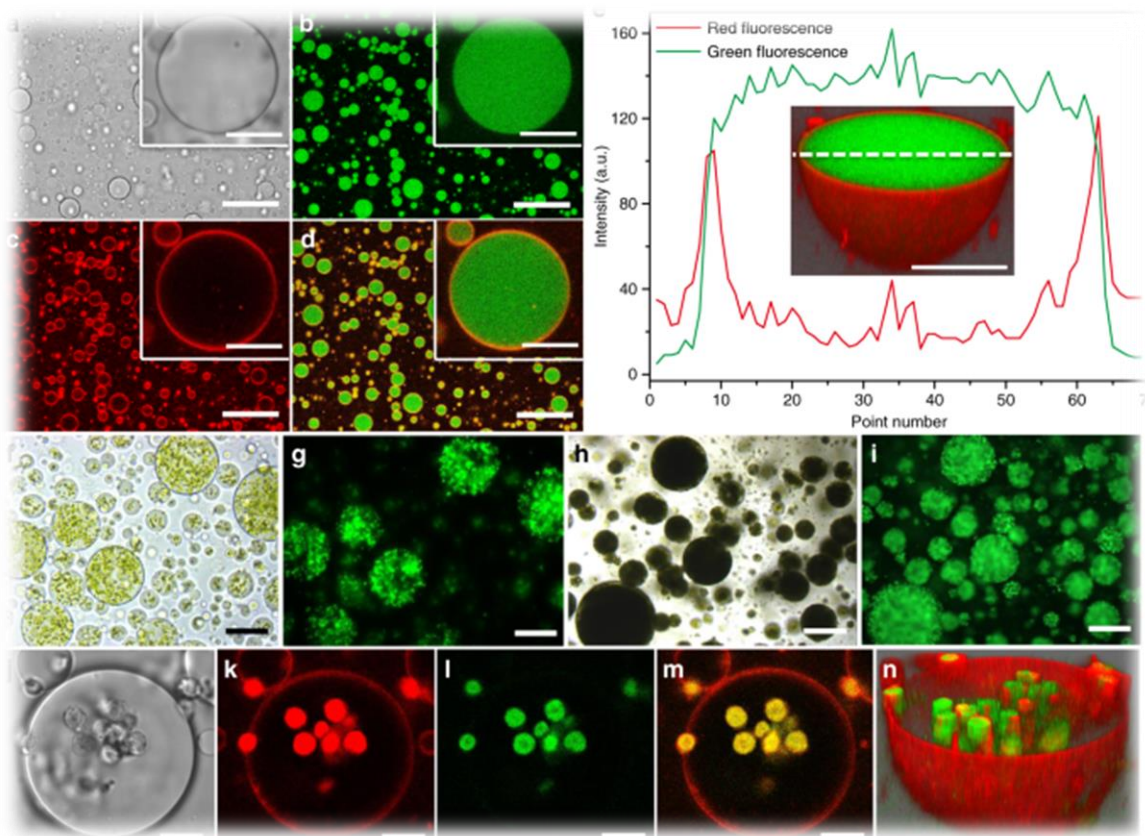
300 min

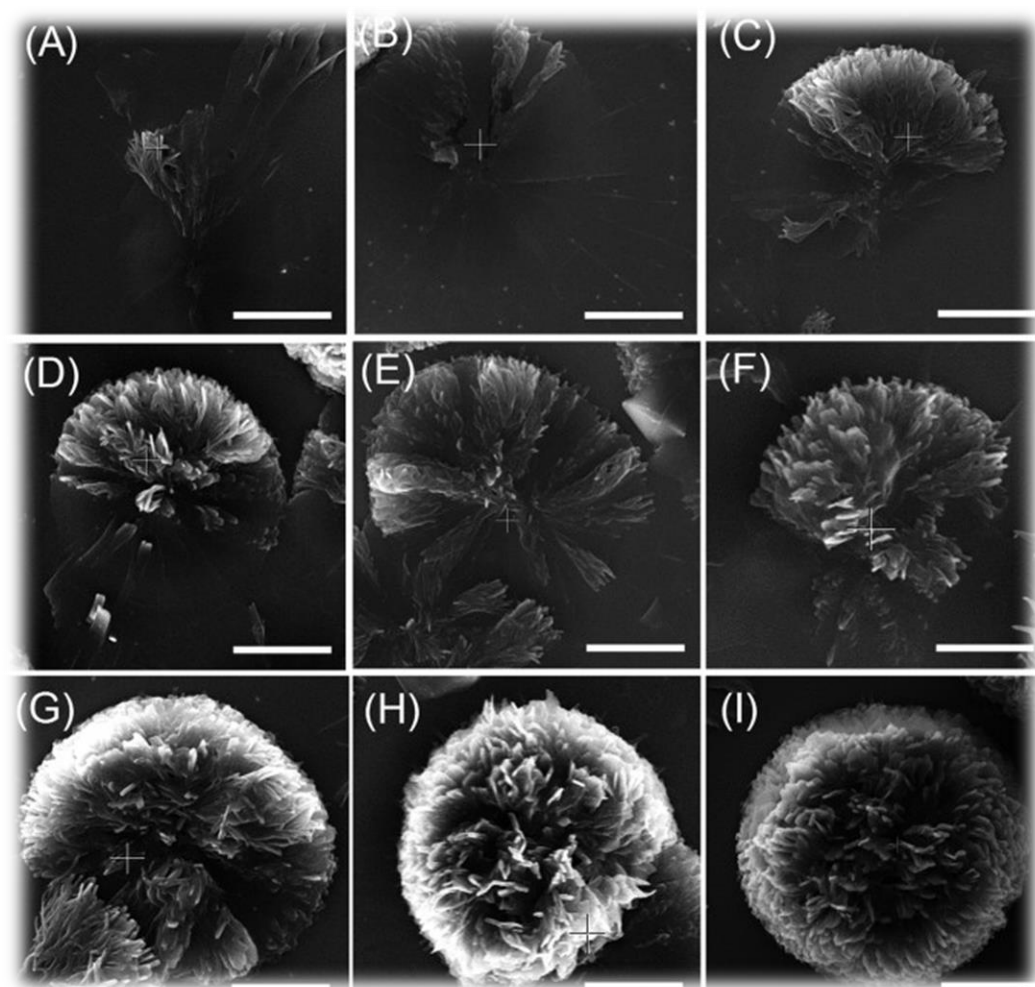
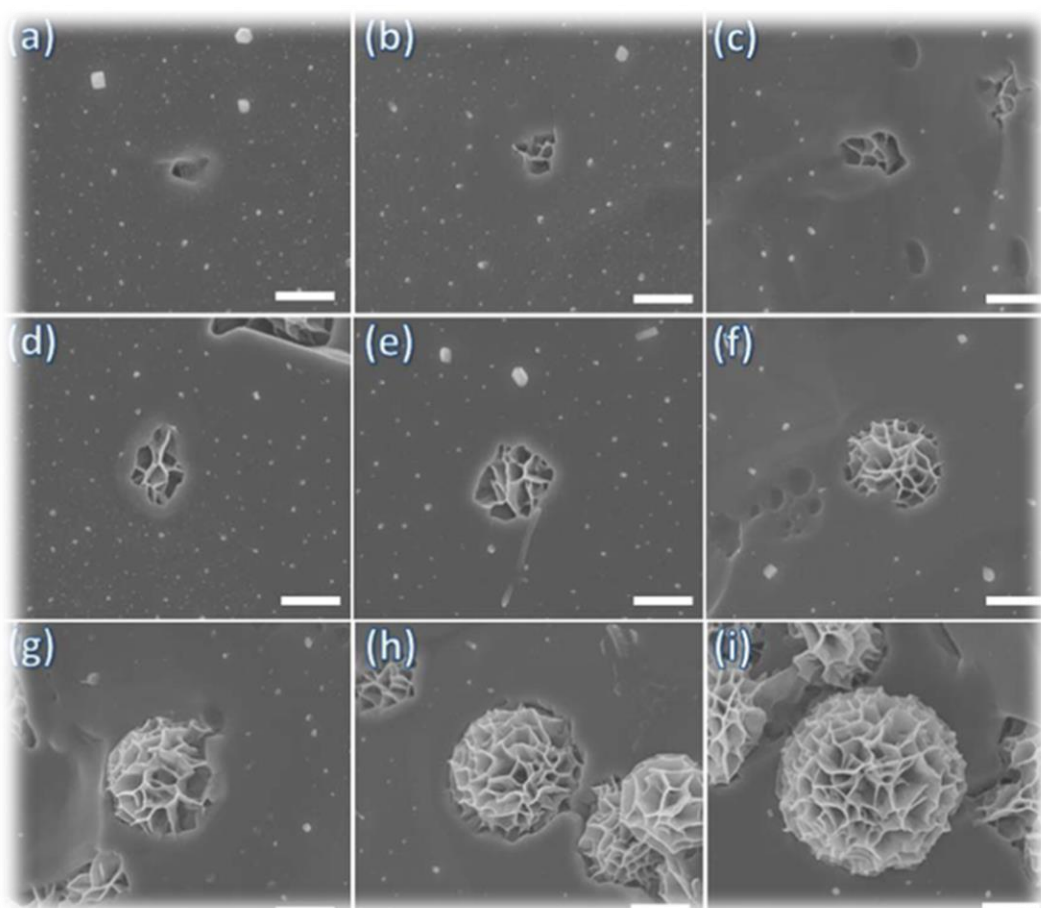
900 min

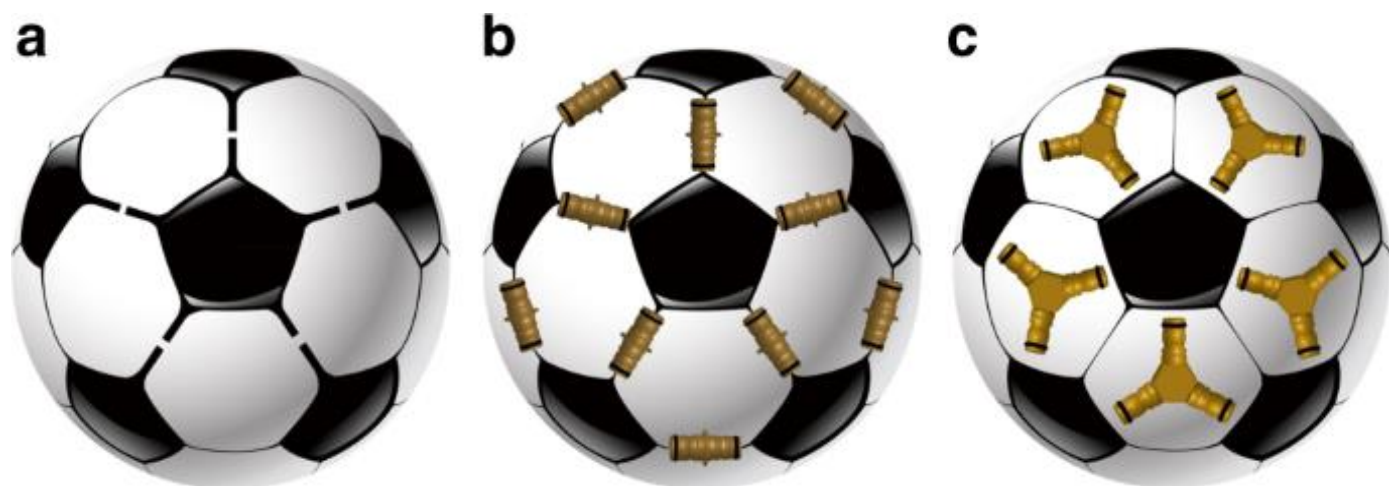
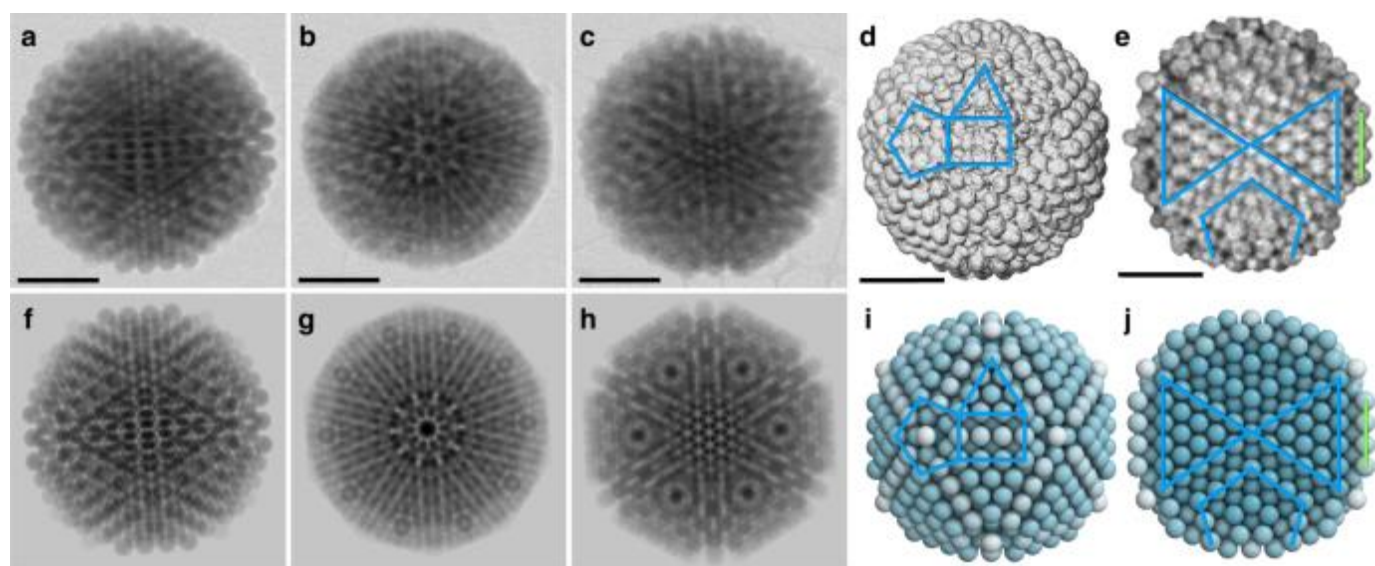
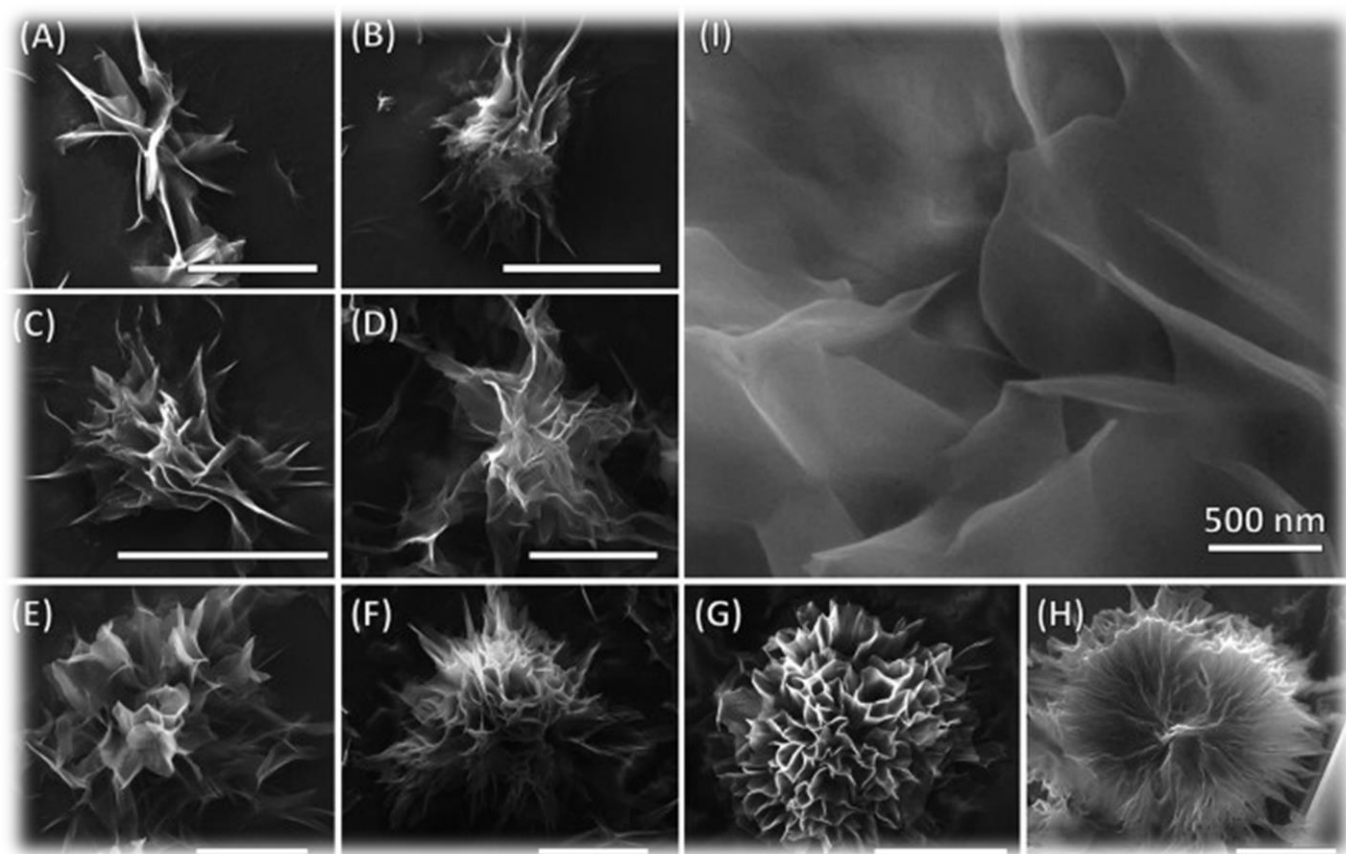


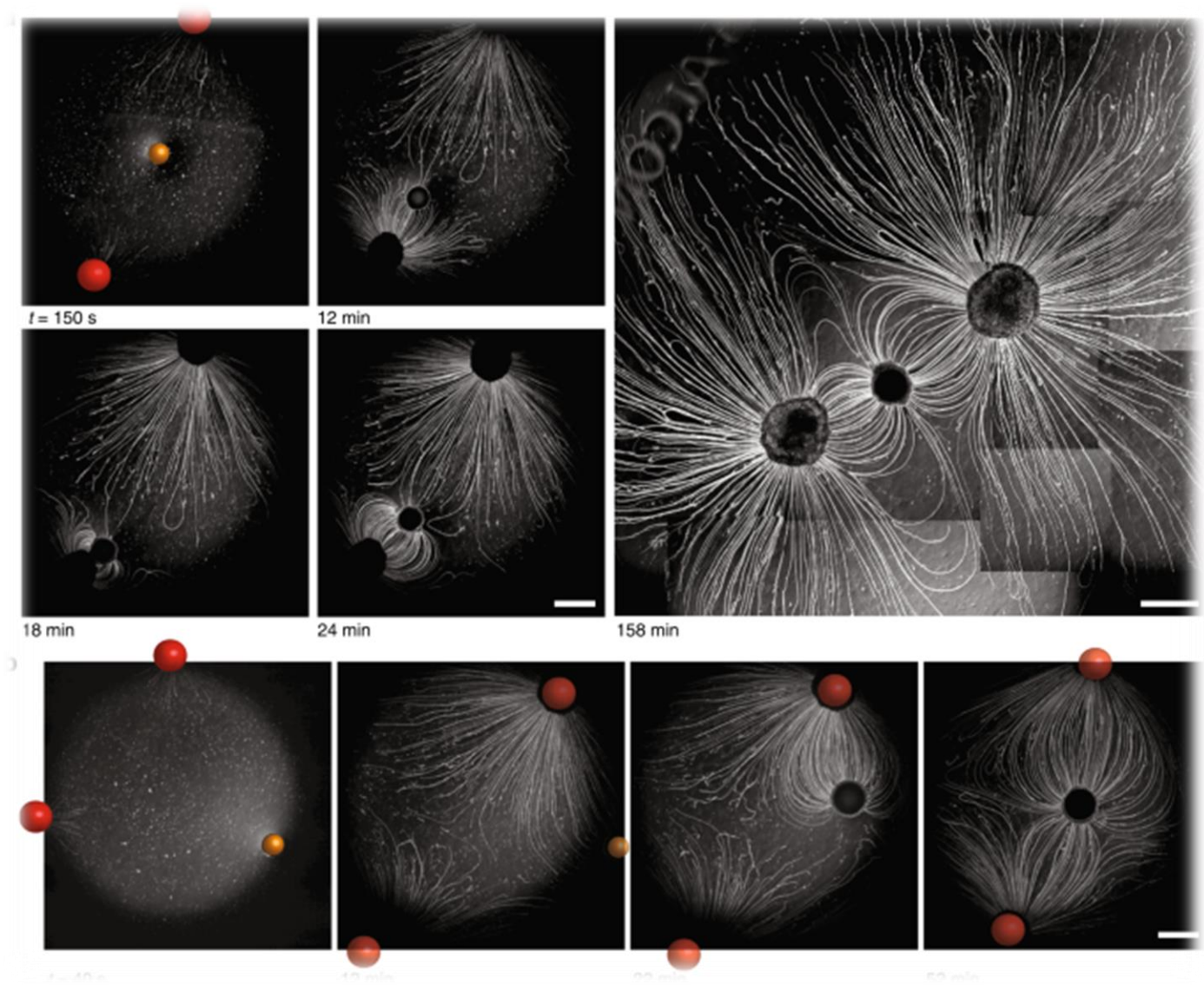
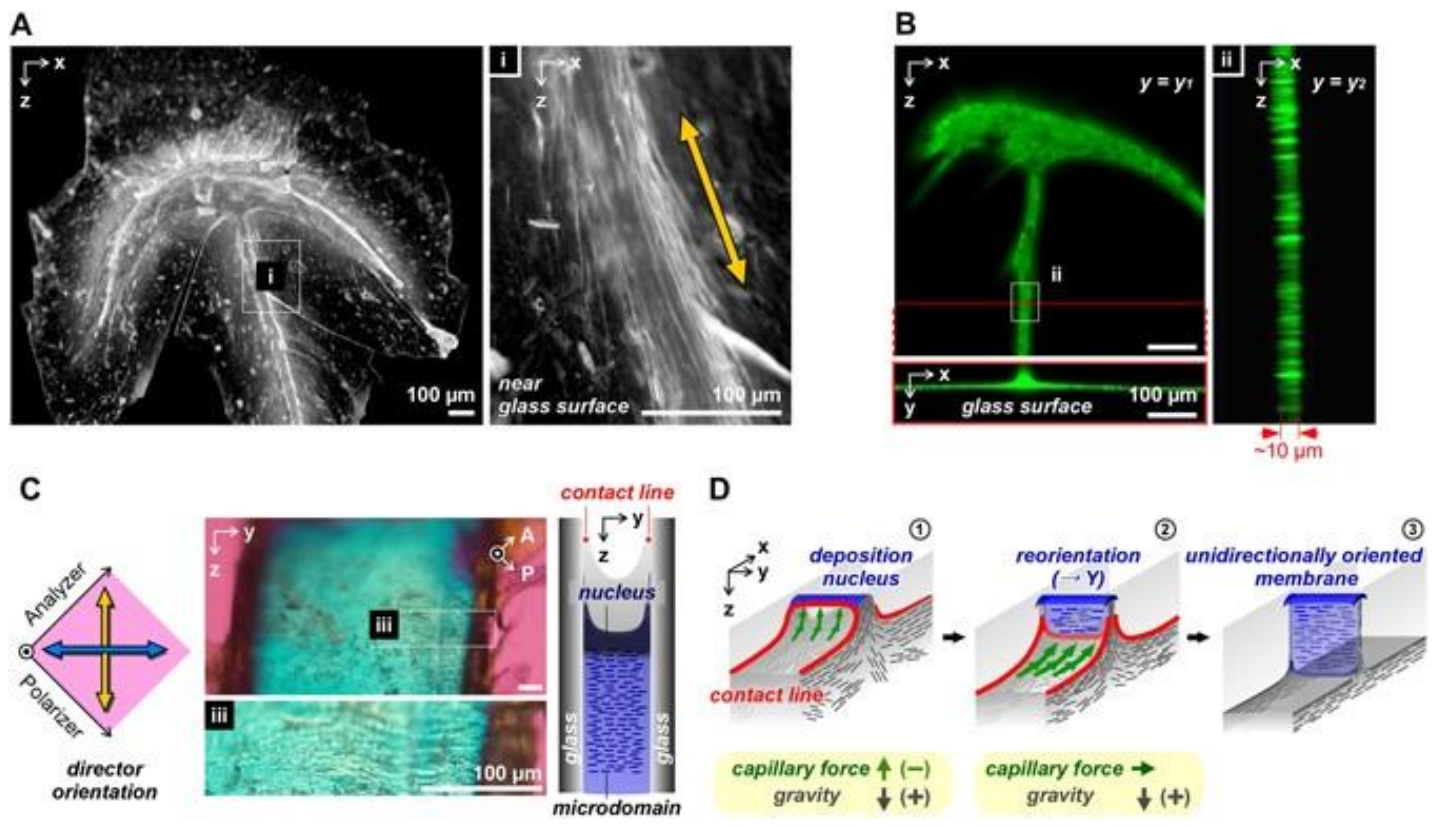


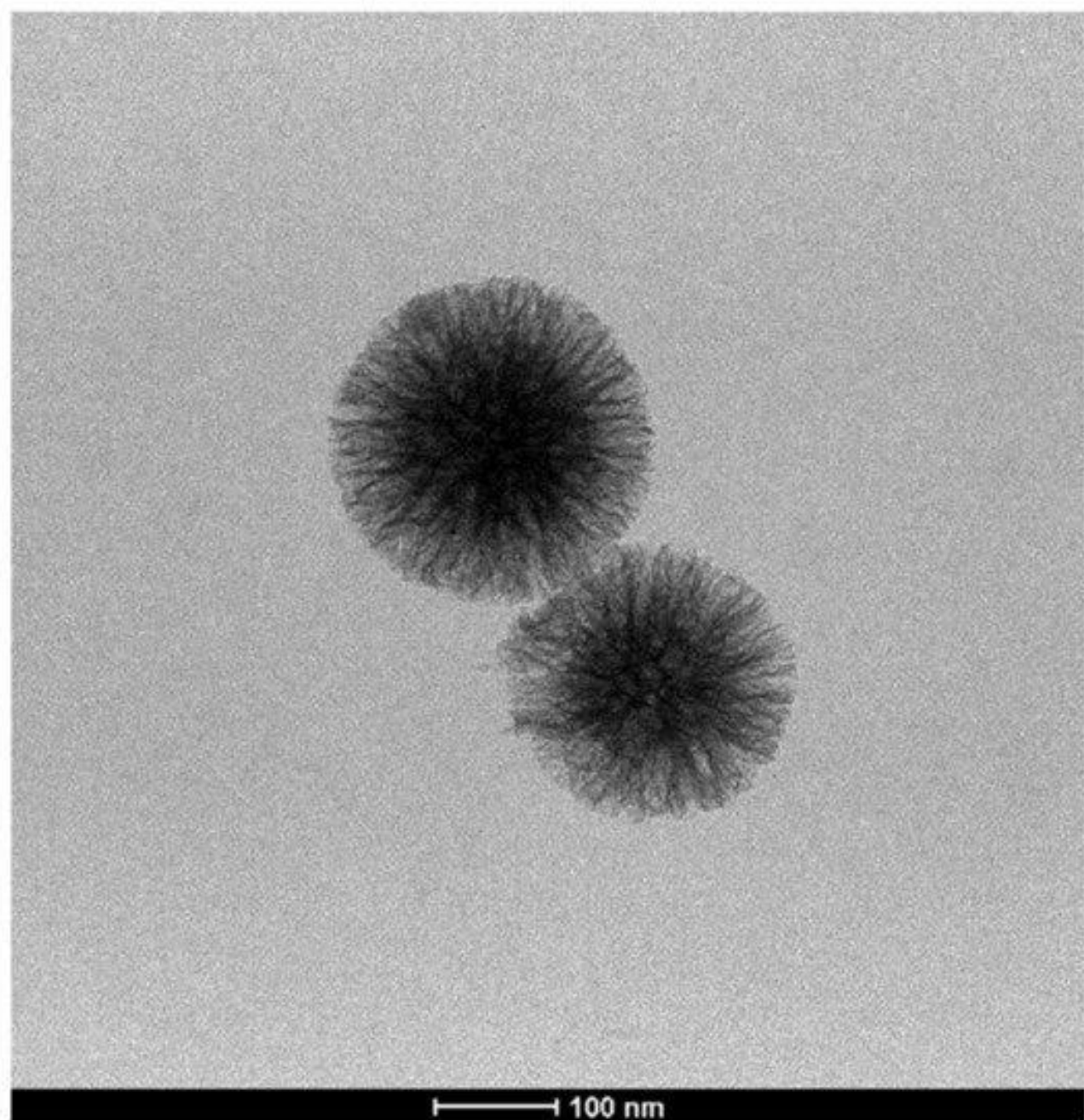
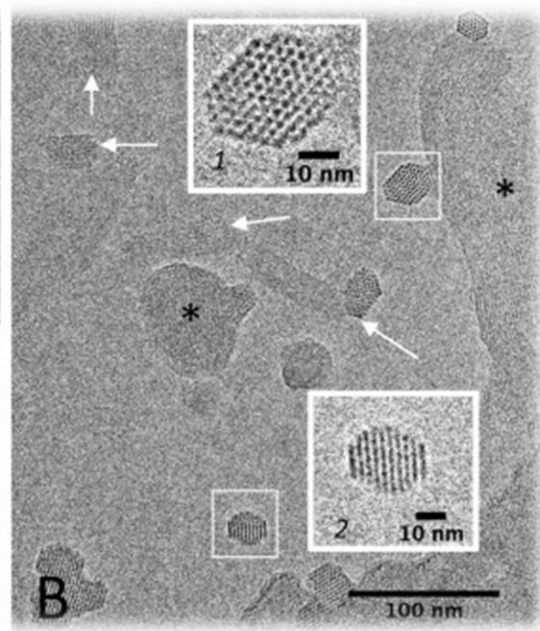
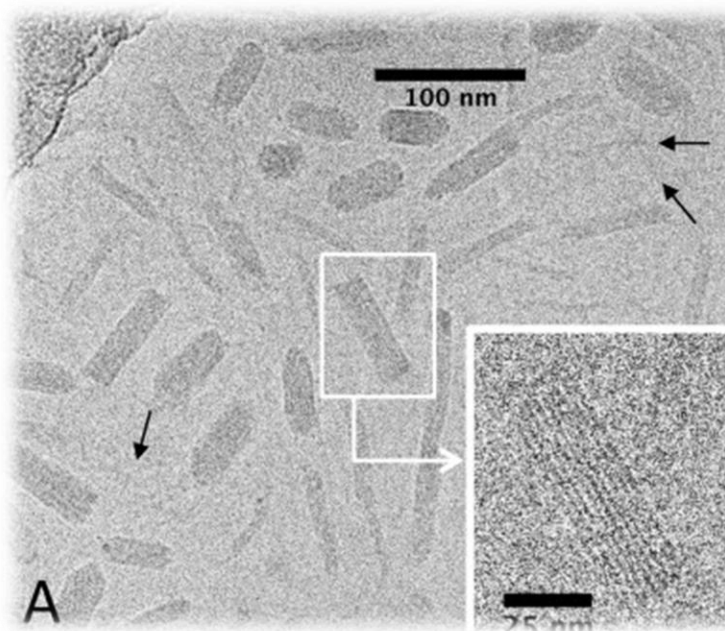


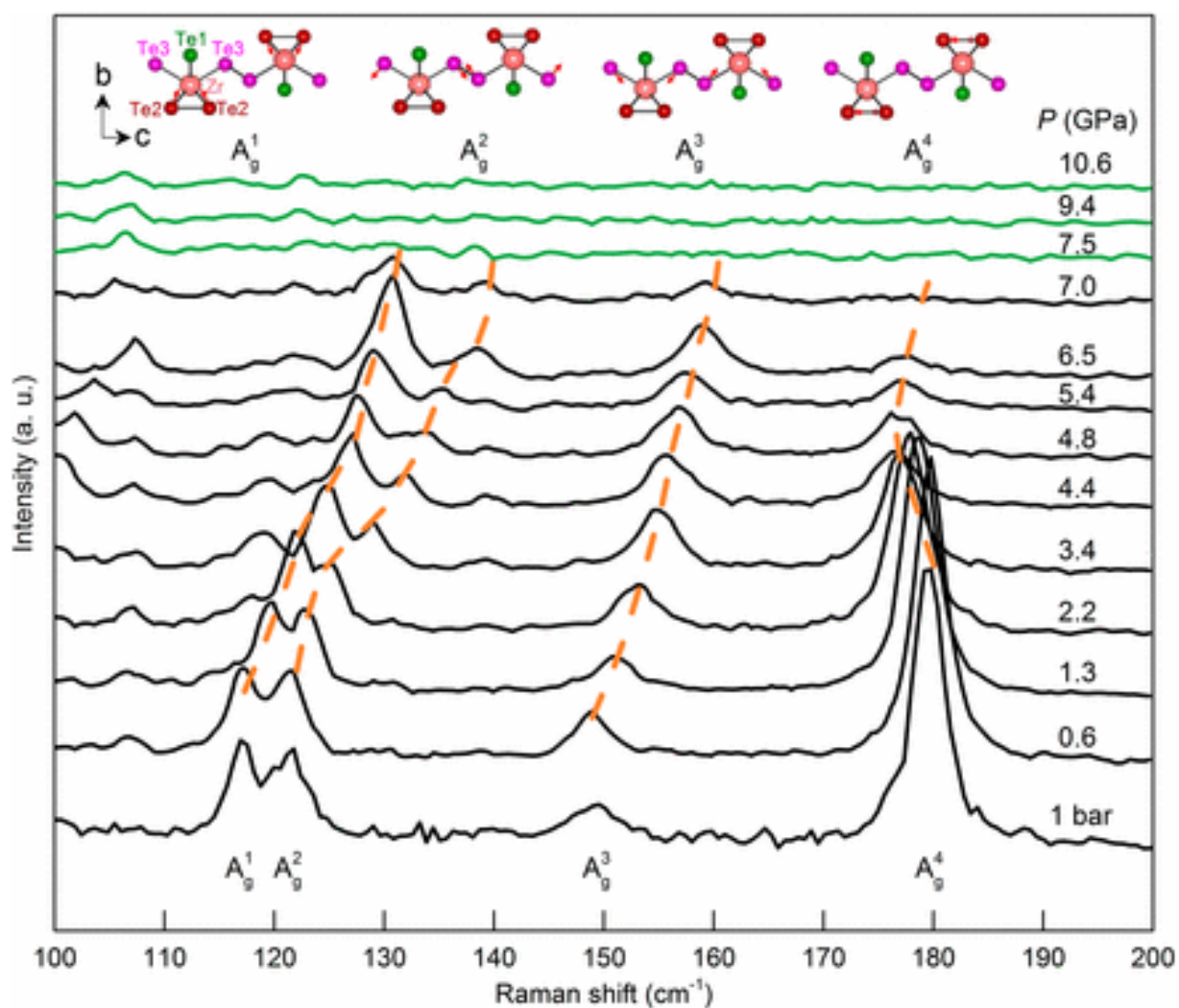
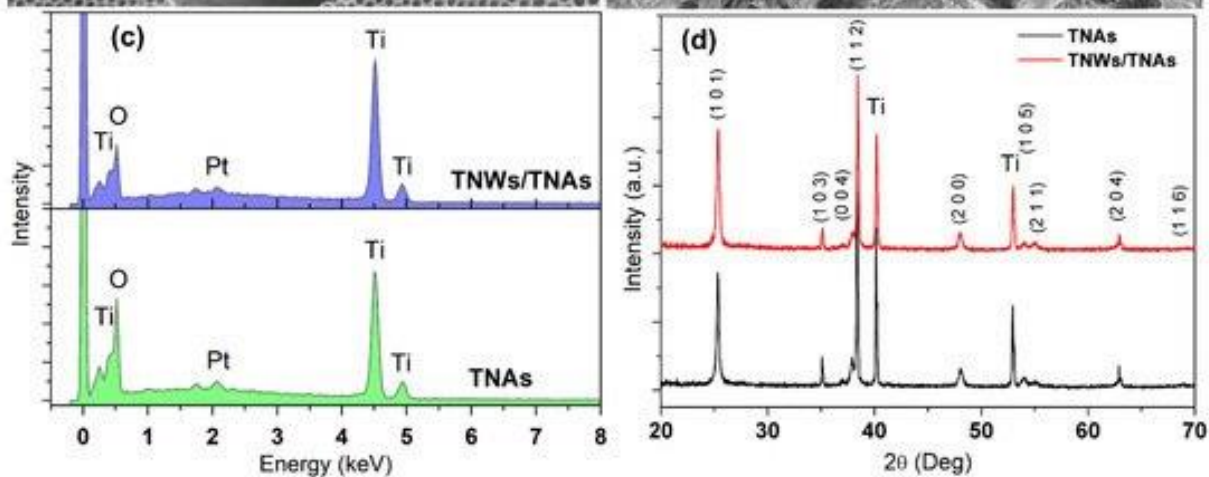
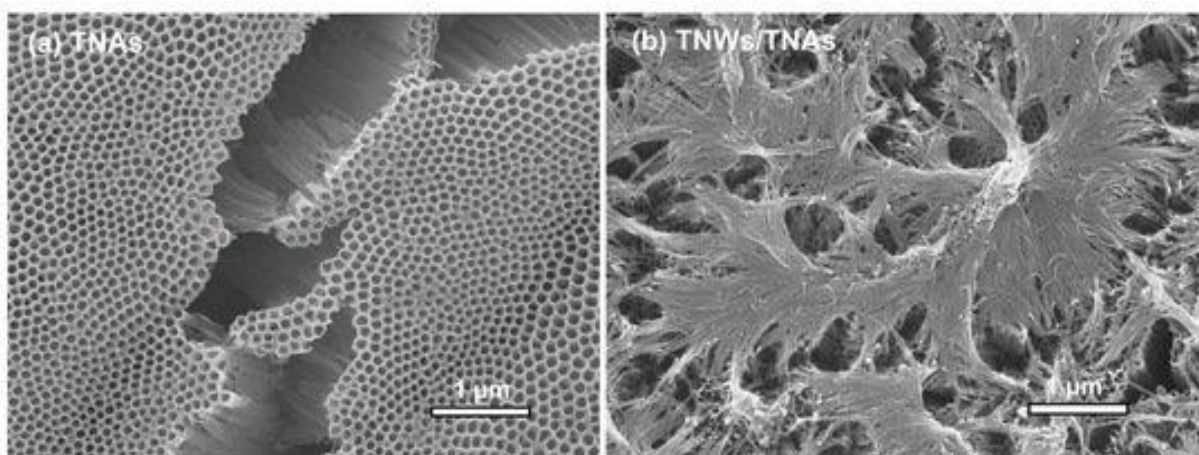


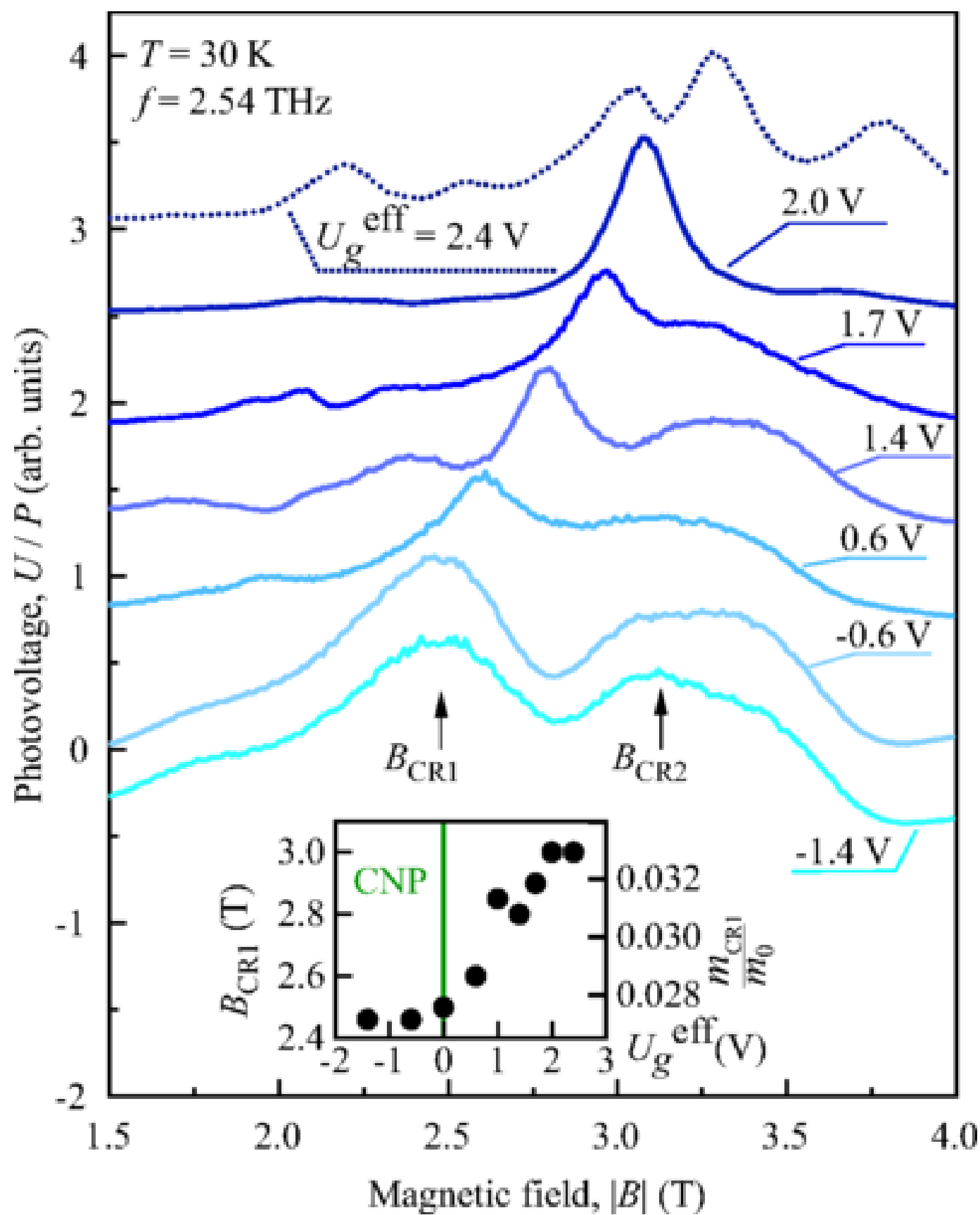


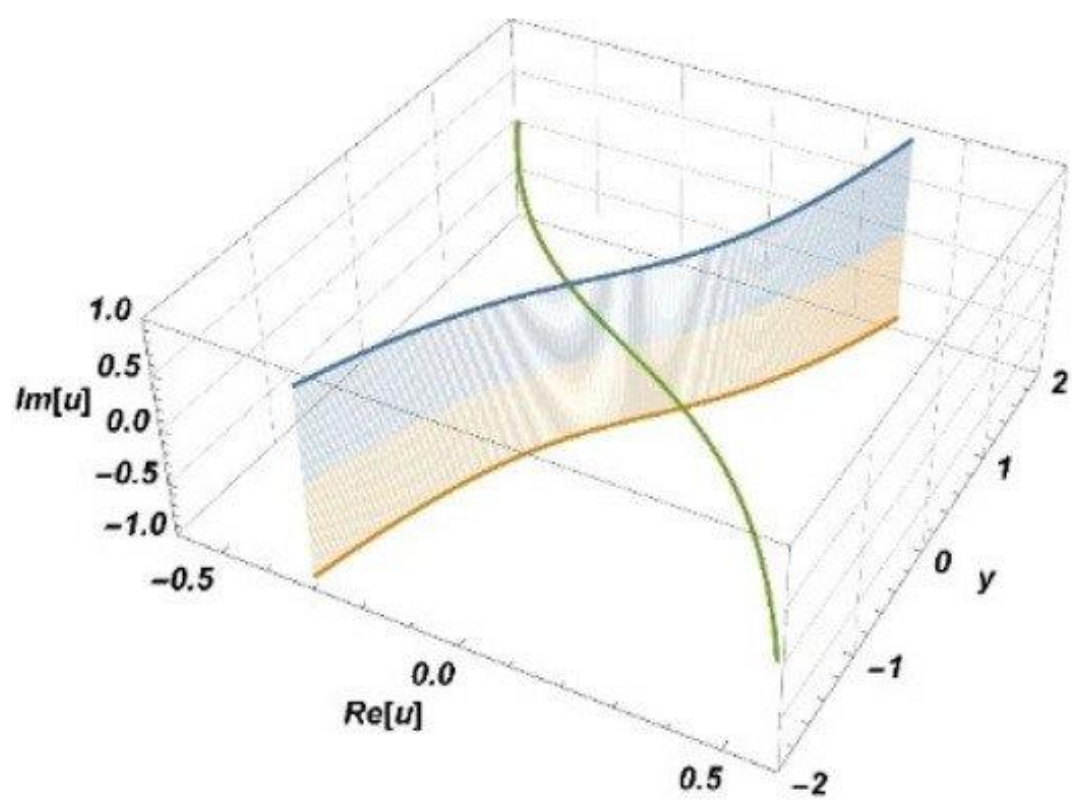
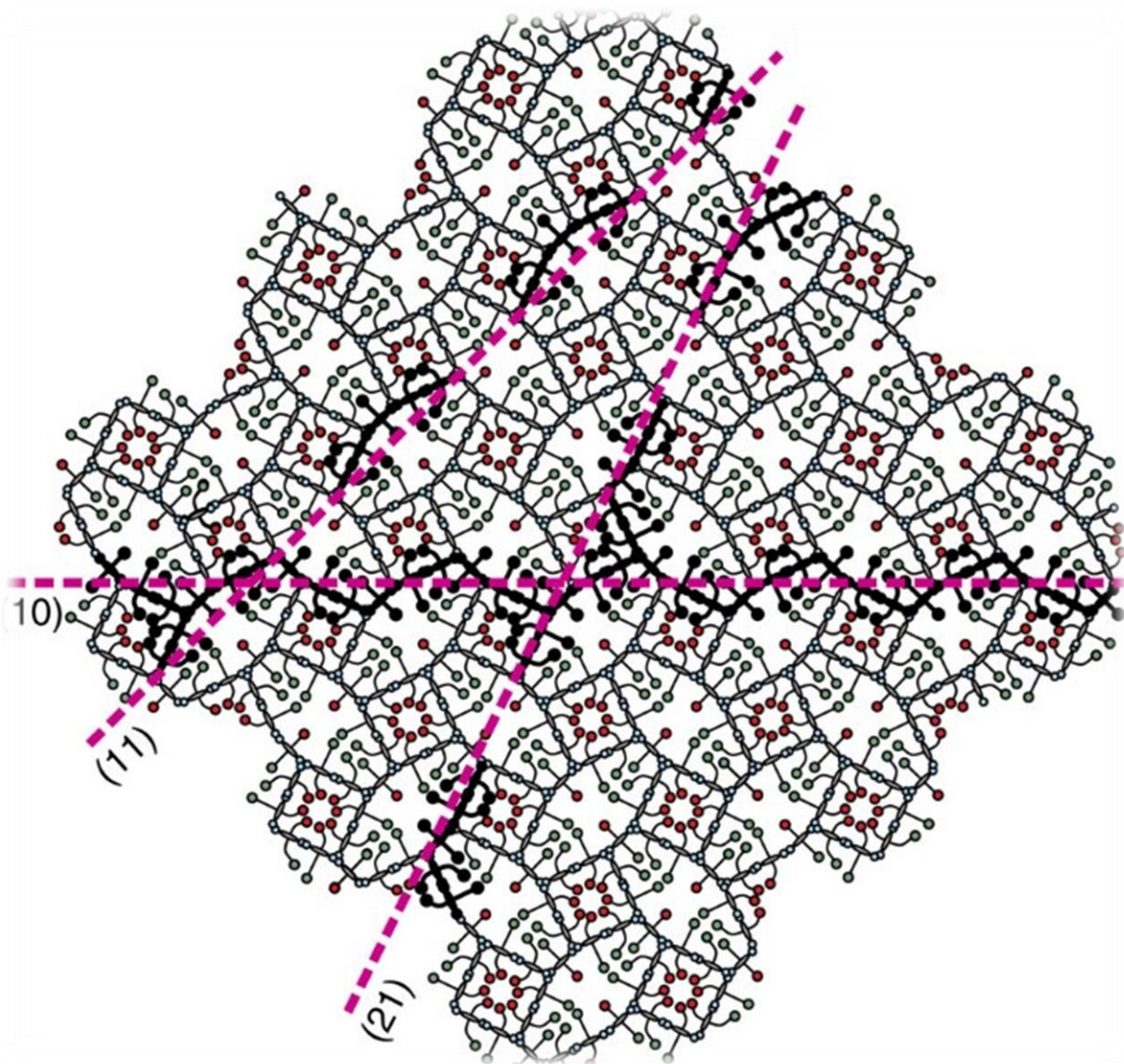


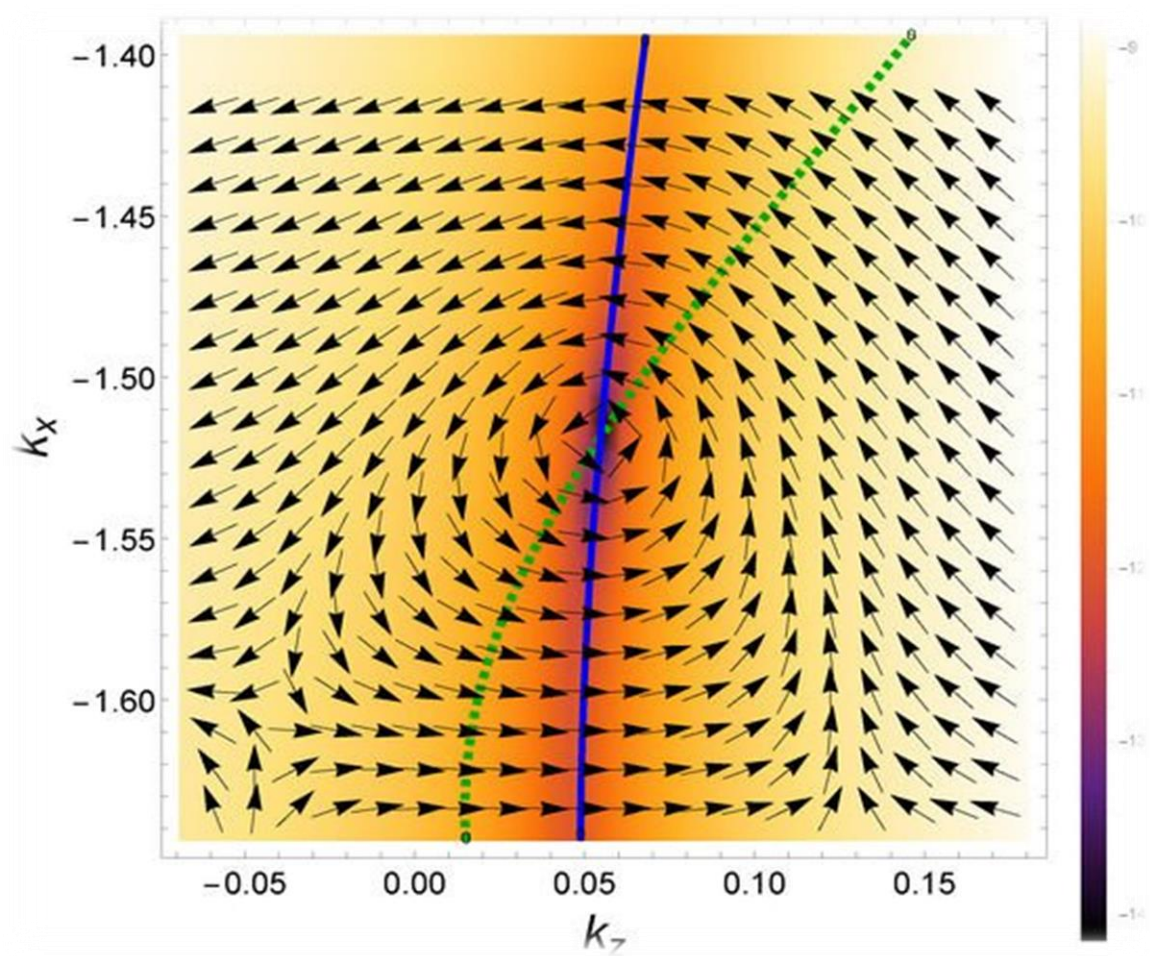
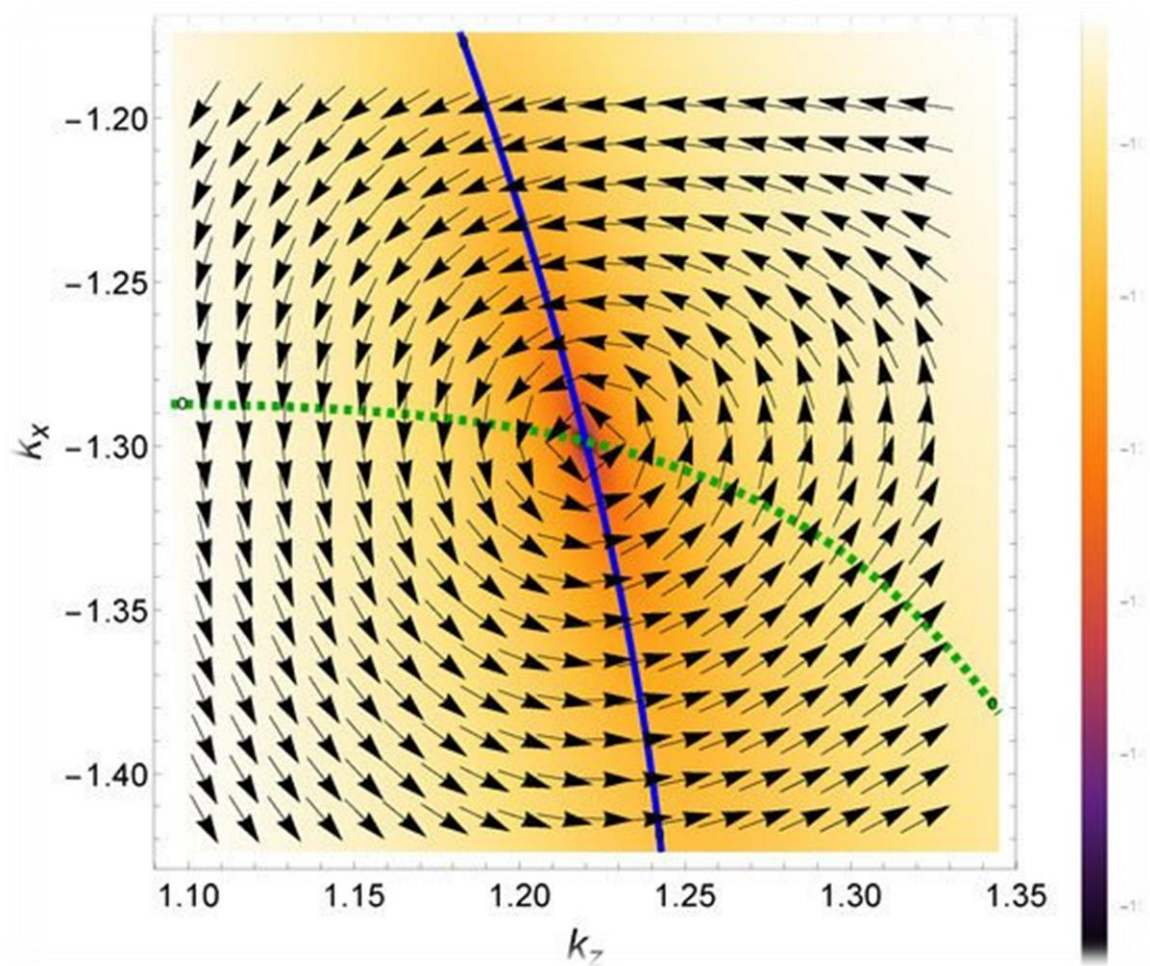


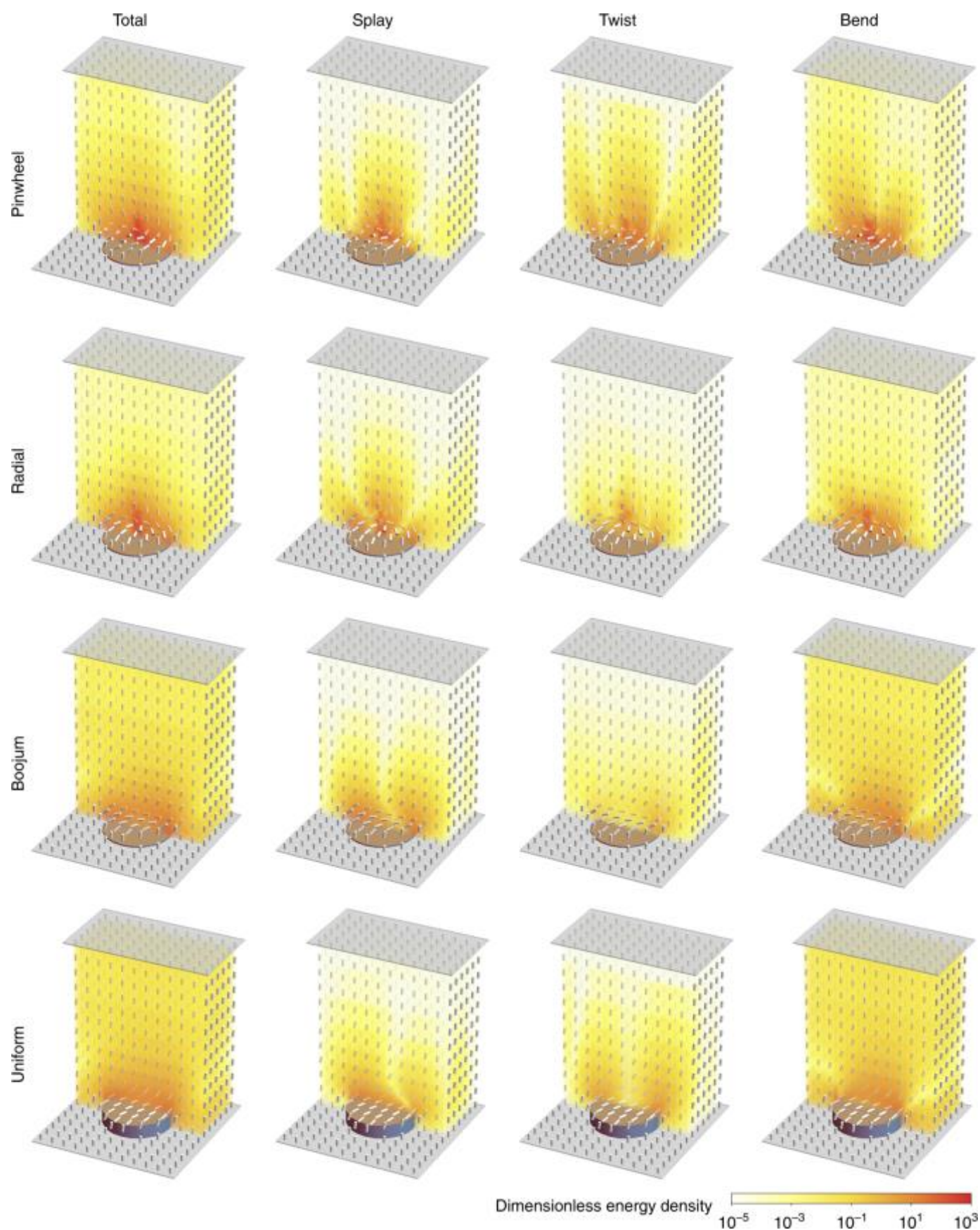


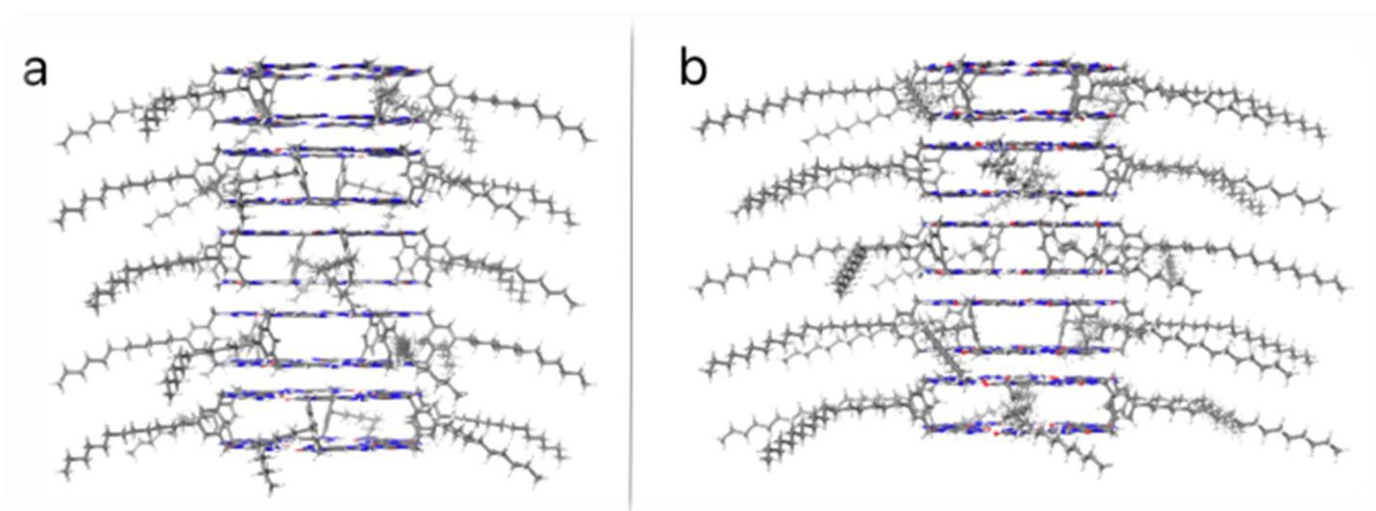
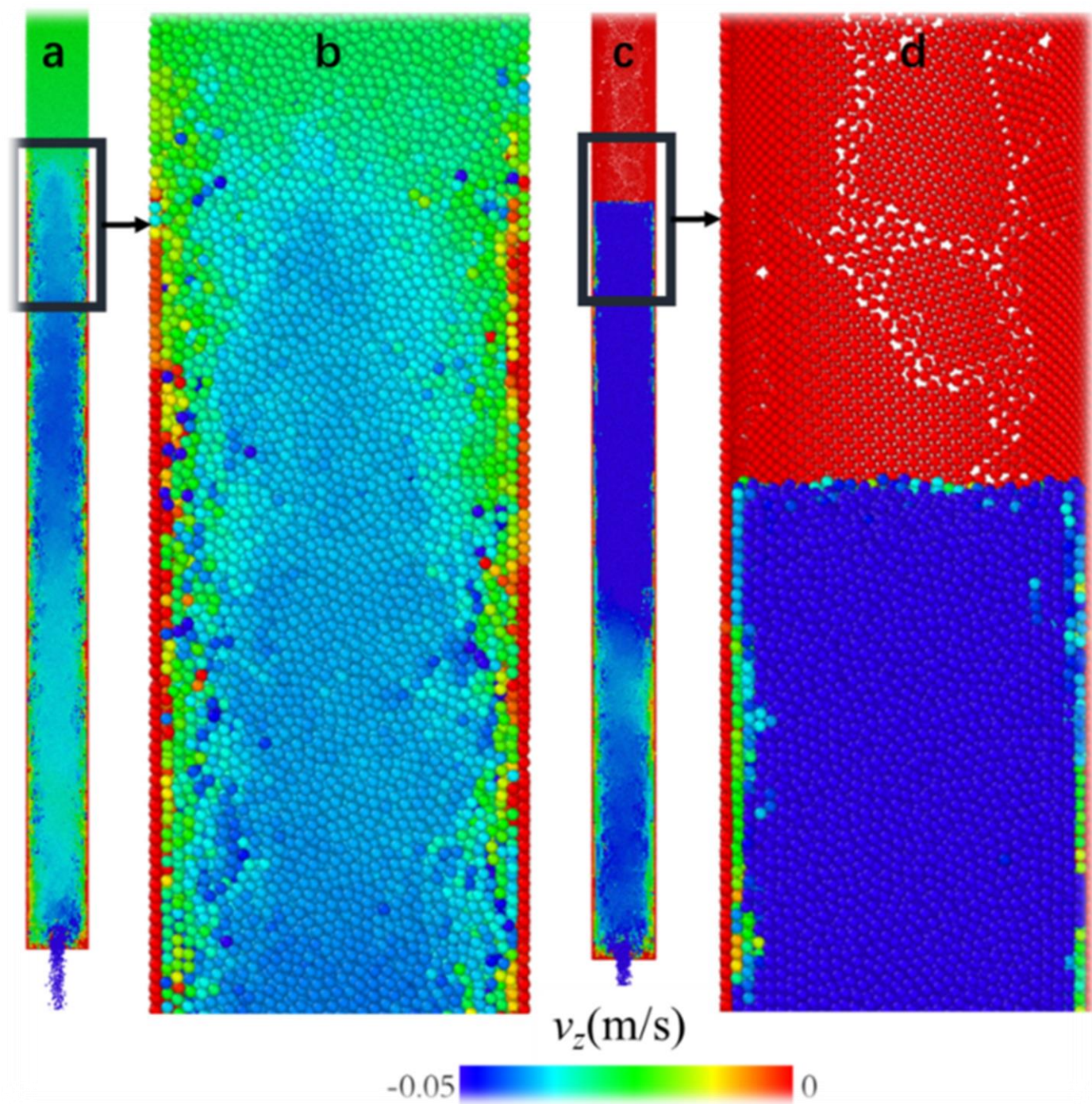




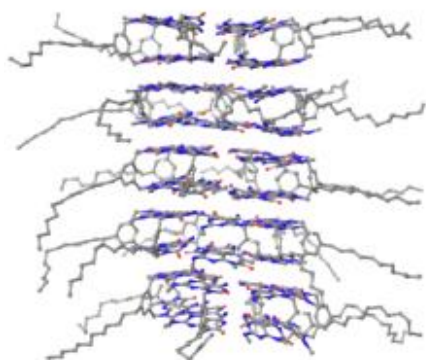
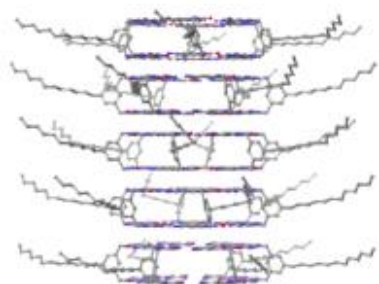




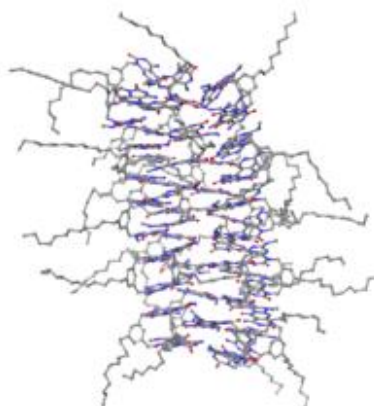
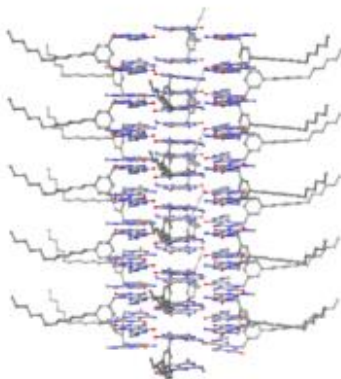




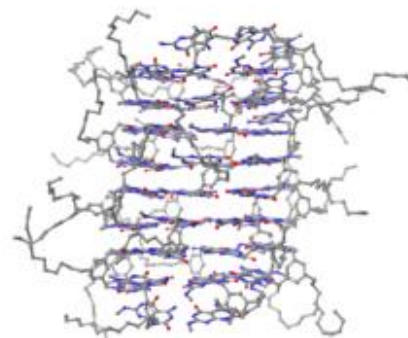
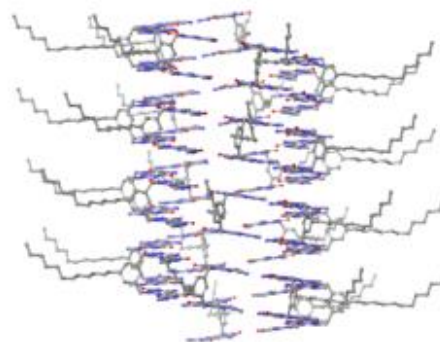
Ring Stack



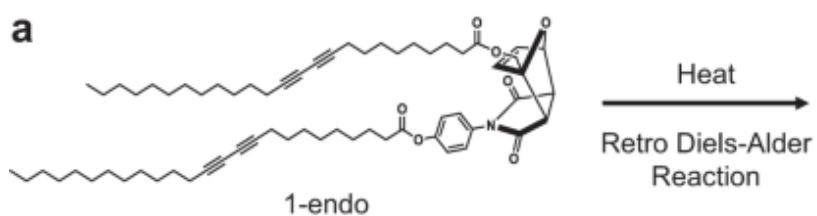
Offset



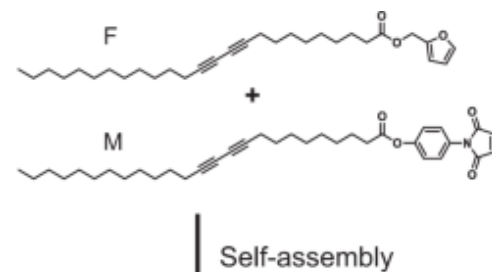
Helical Coil



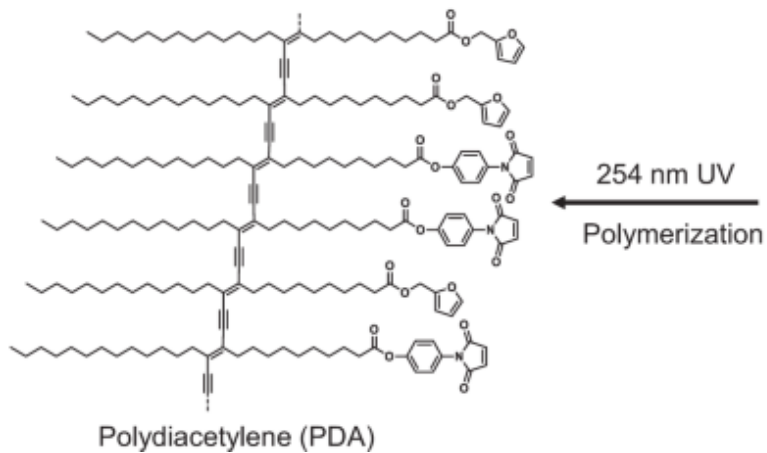
a



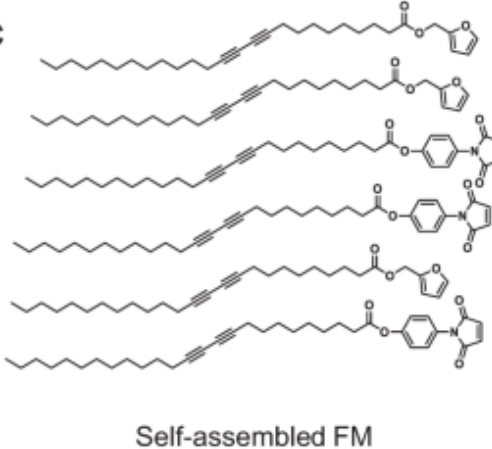
b

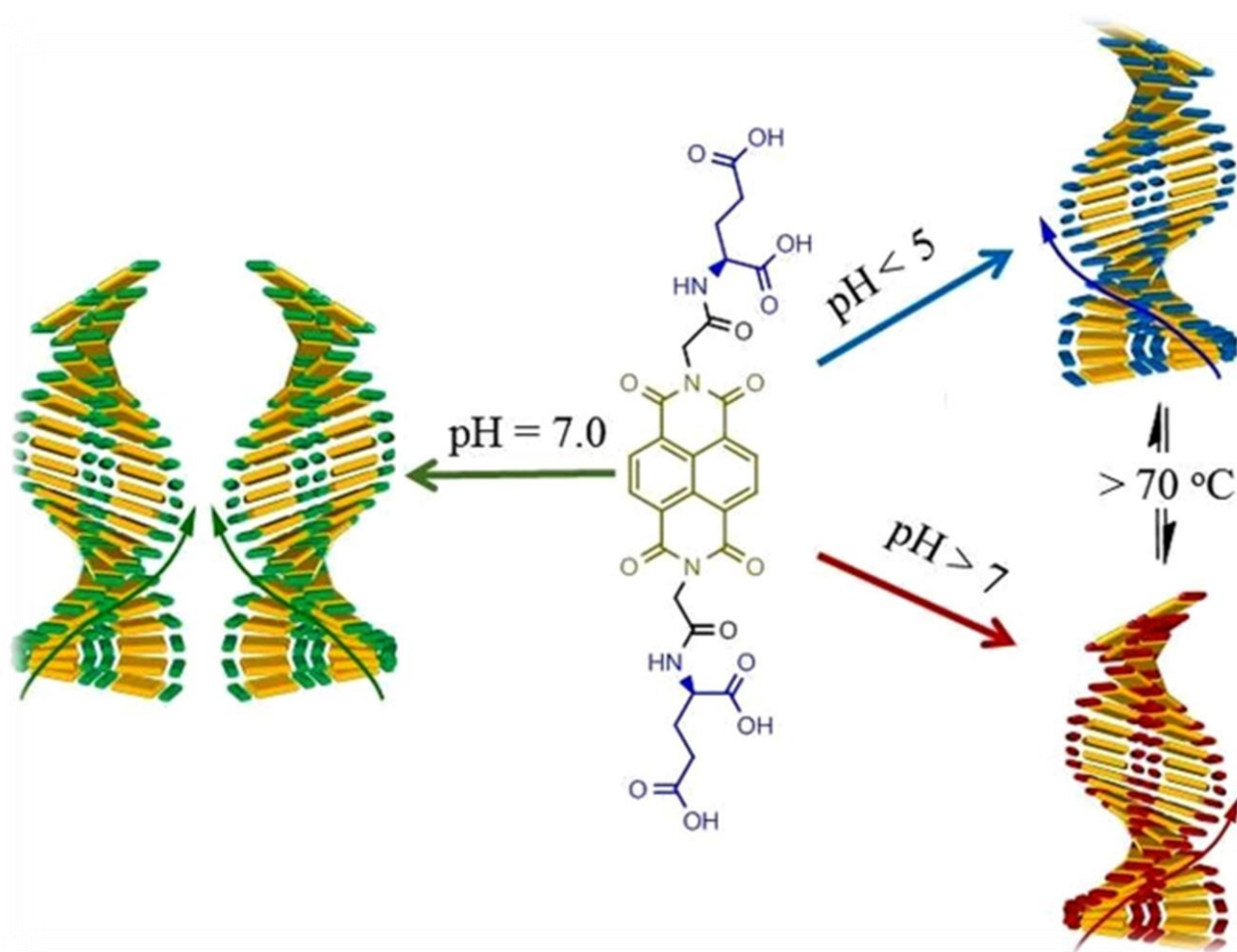
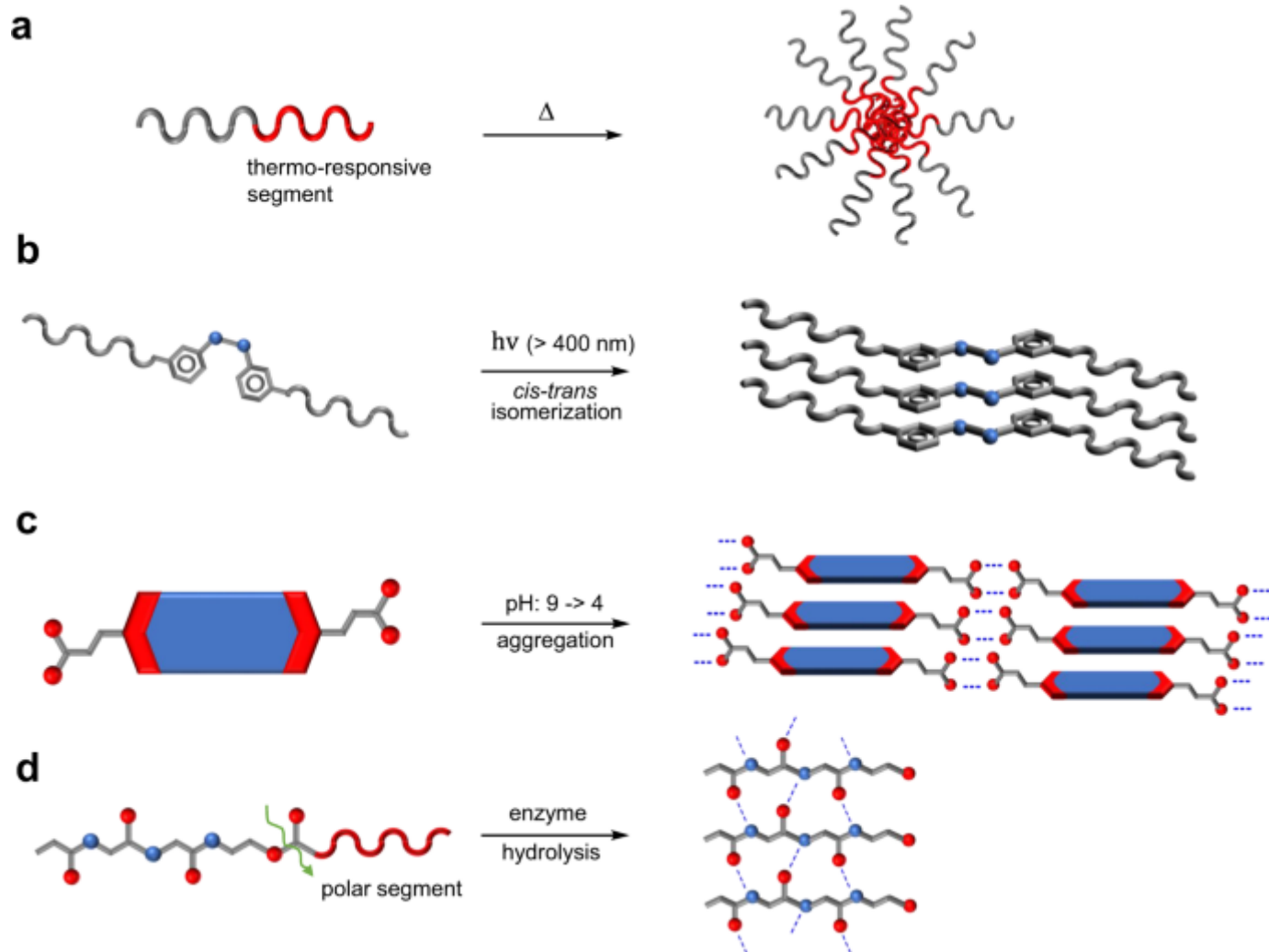


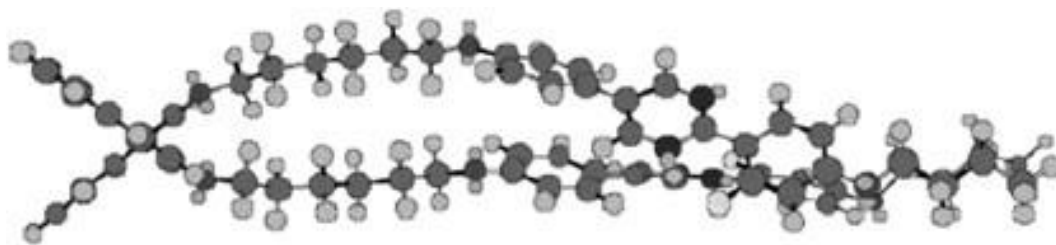
d



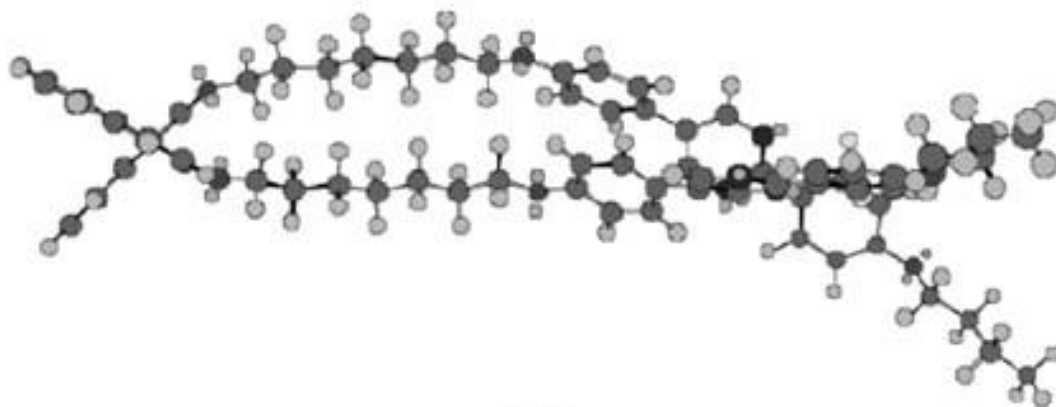
c



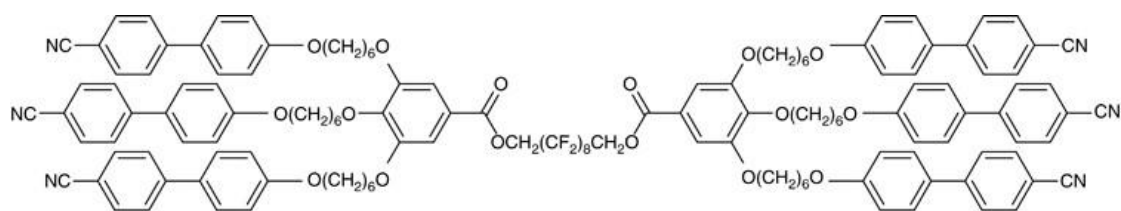




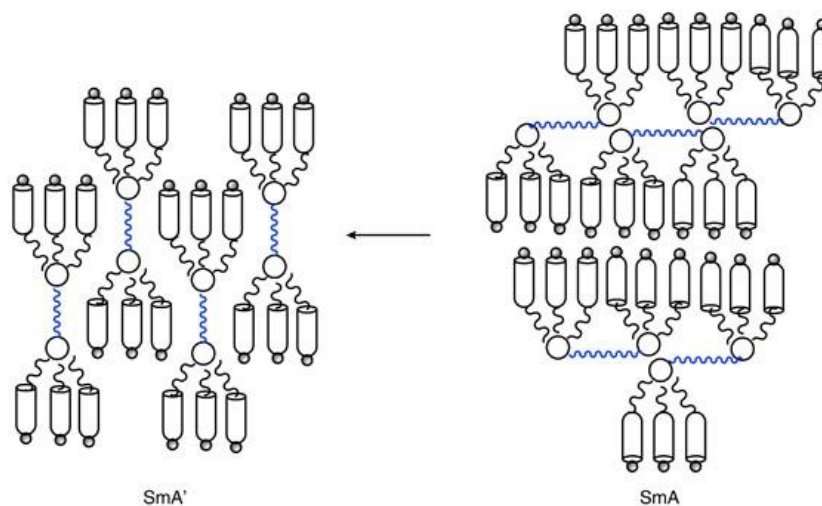
7-6



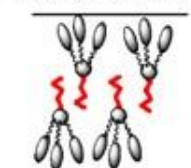
7-7



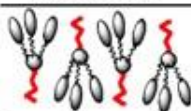
6: Cr 122.0 °C [SmA' 46.8 °C SmA 101.8 °C N 121.4 °C] Iso



Segregation effect

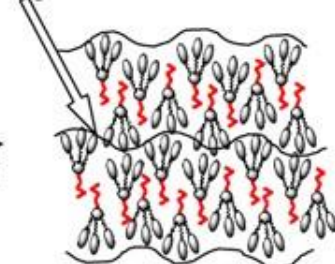


Steric effect

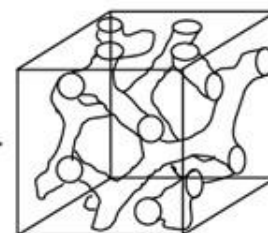


Dipole-dipole interactions

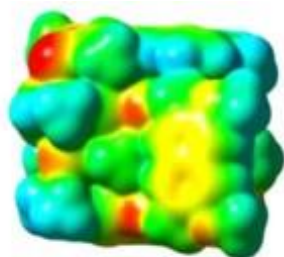
Competition



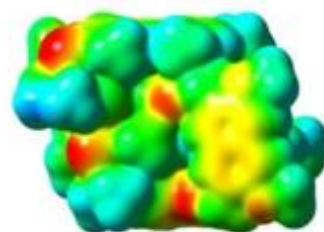
Fluctuated lamellar structure



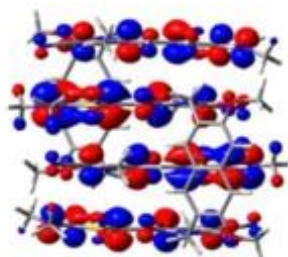
Bicontinuous cubic phase

a $|\mu_g| = 0 \text{ D}$

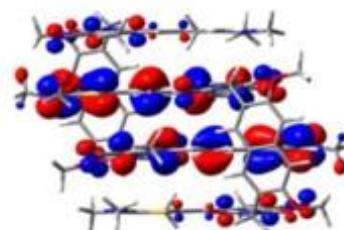
-0.05 a.u.

 $|\mu_g| = 0 \text{ D}$

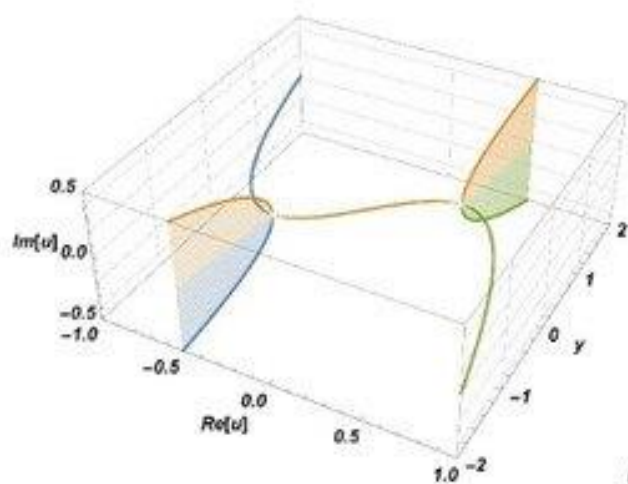
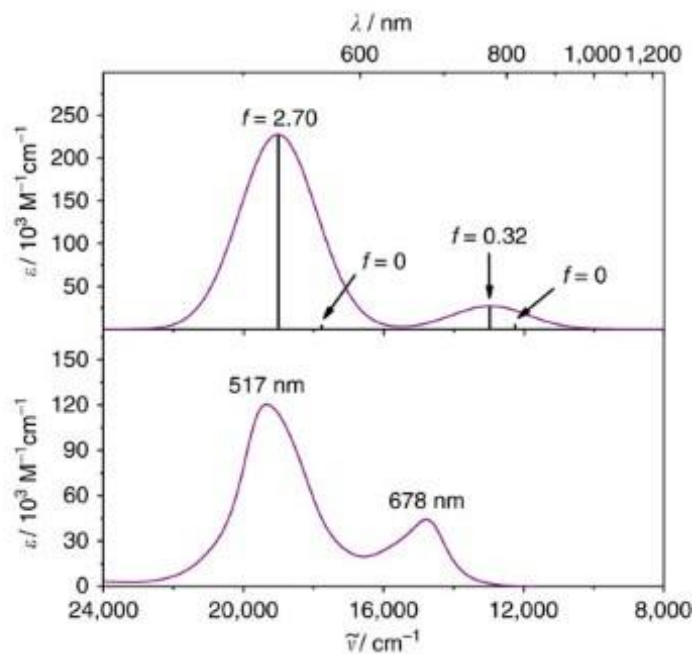
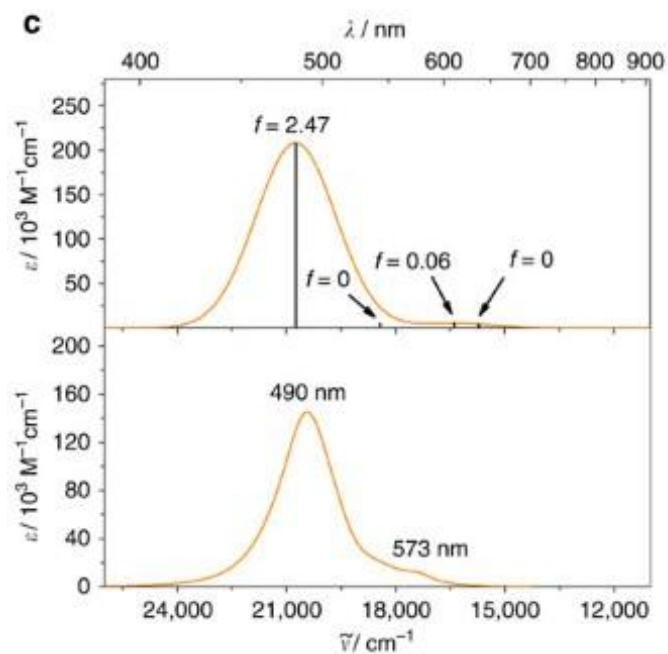
0.05 a.u.

b

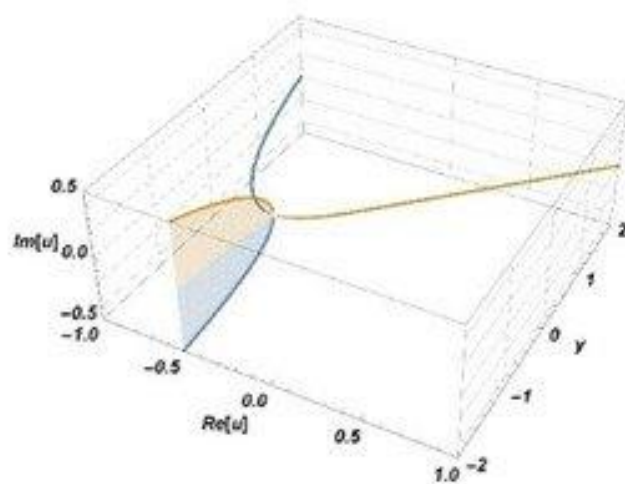
HOMO: -4.48 eV



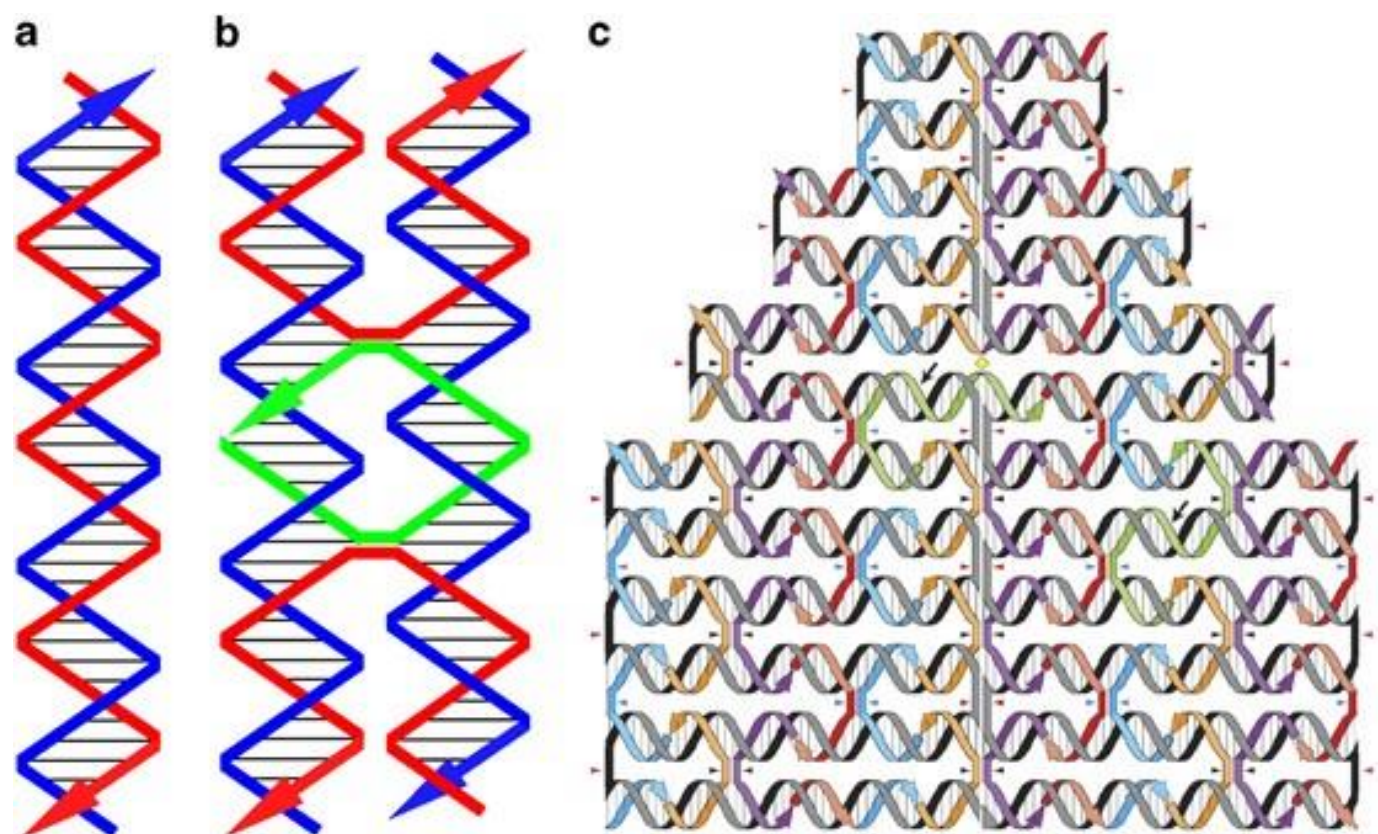
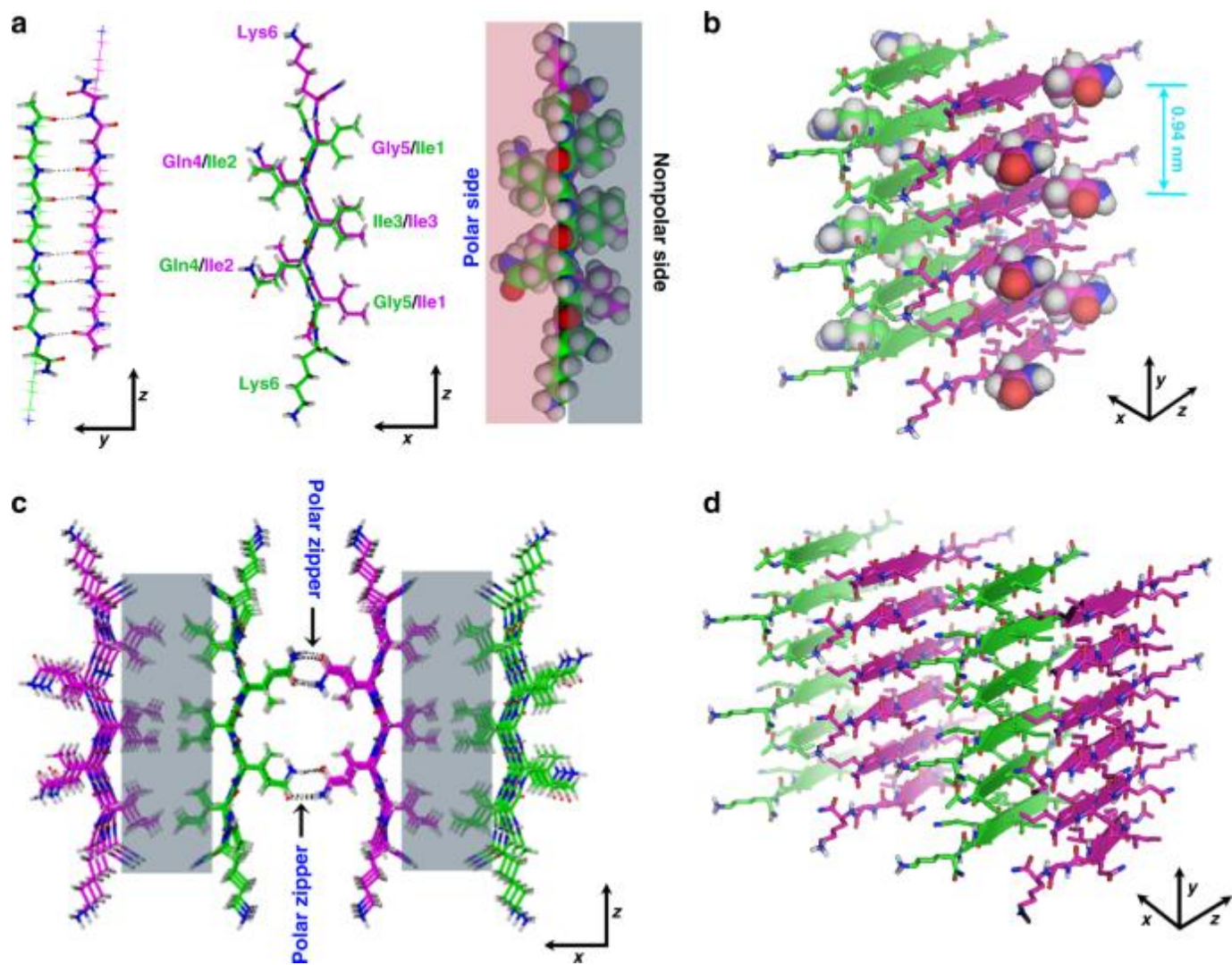
HOMO: -4.23 eV

c

(a)



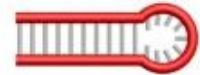
(b)



Duplex



Hairpin



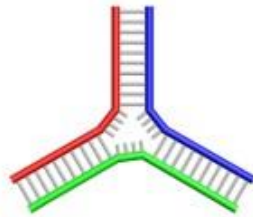
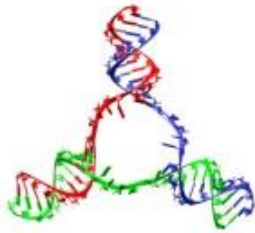
90°-kink



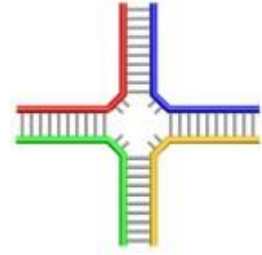
Kissing-loops (KL)



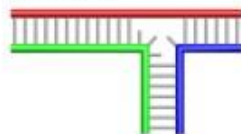
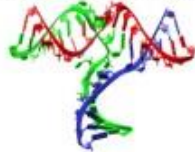
Open 3-way junction (o3WJ)



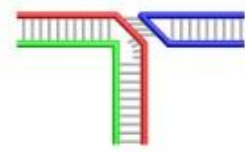
Open 4-way junction (o4WJ)



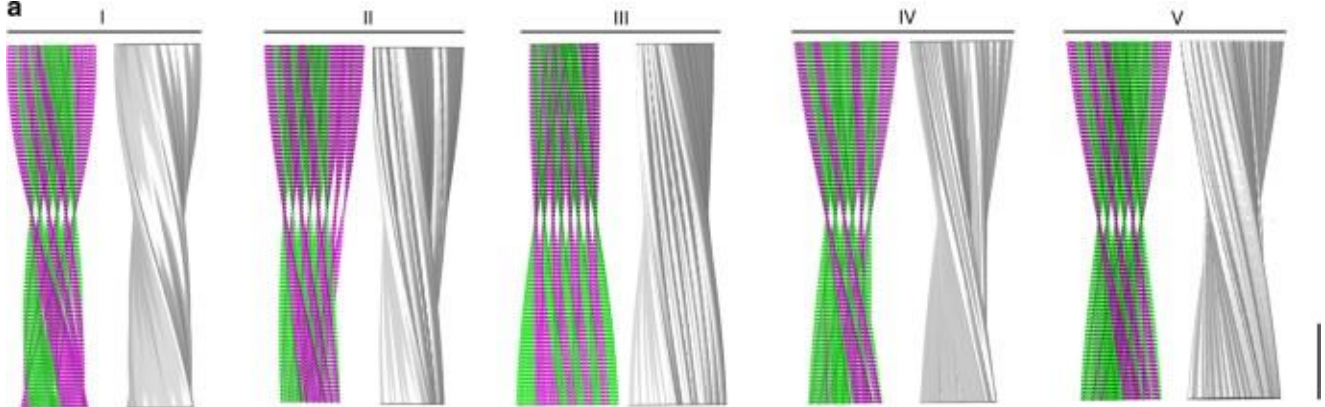
Stacked 3-way junction (s3WJ)



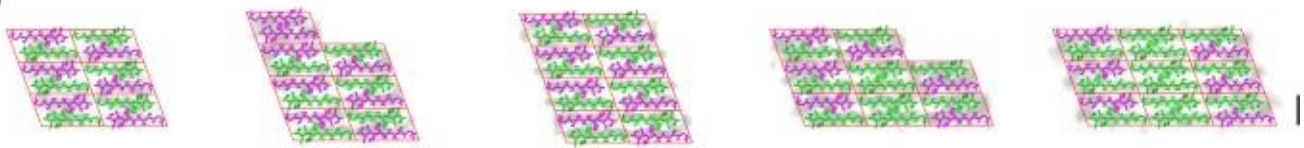
3-way loops (3WL)



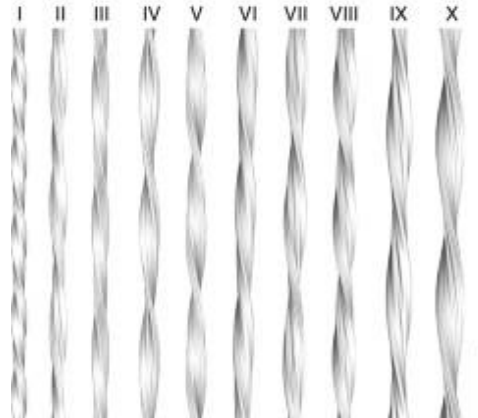
a



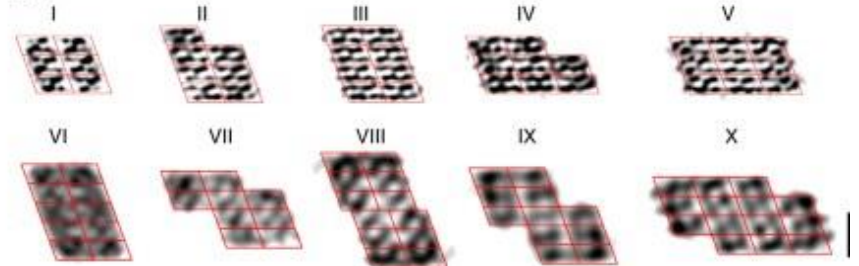
b



a

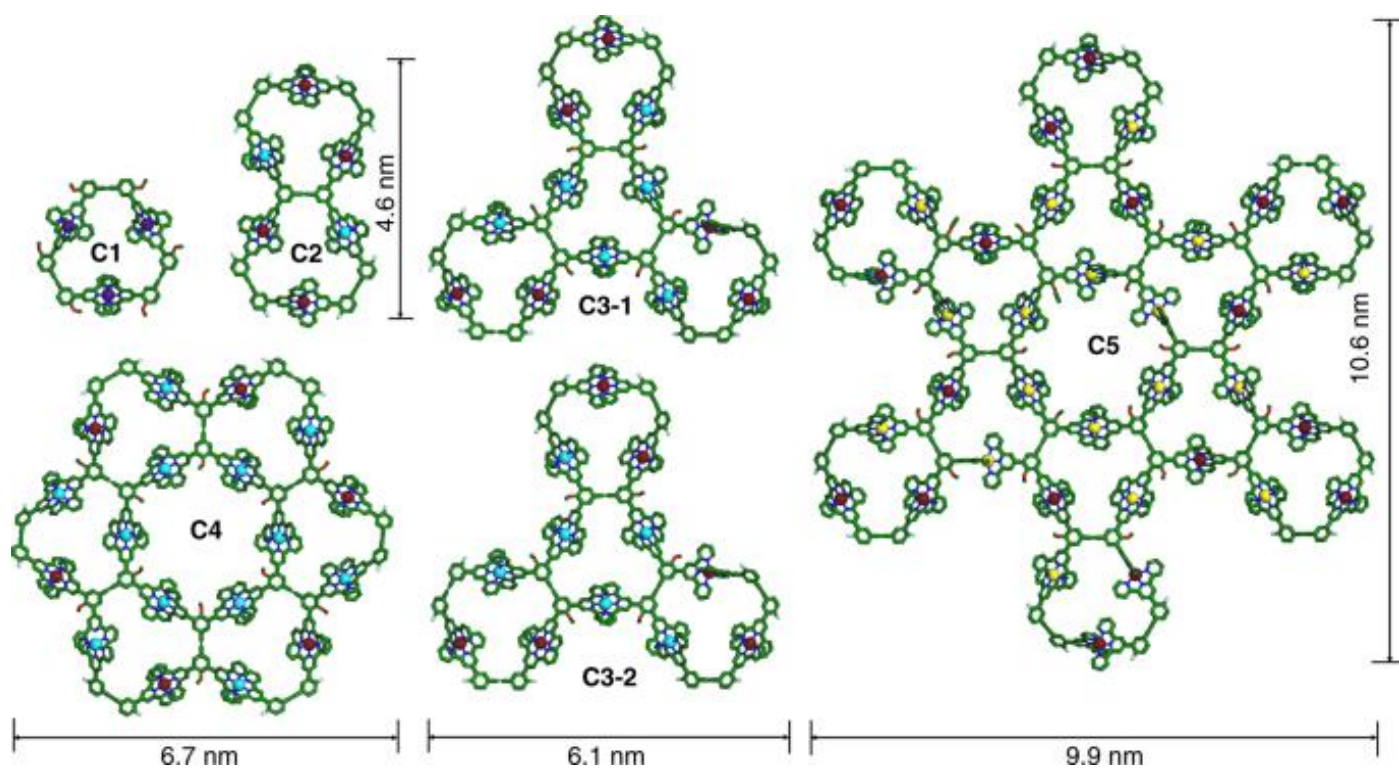
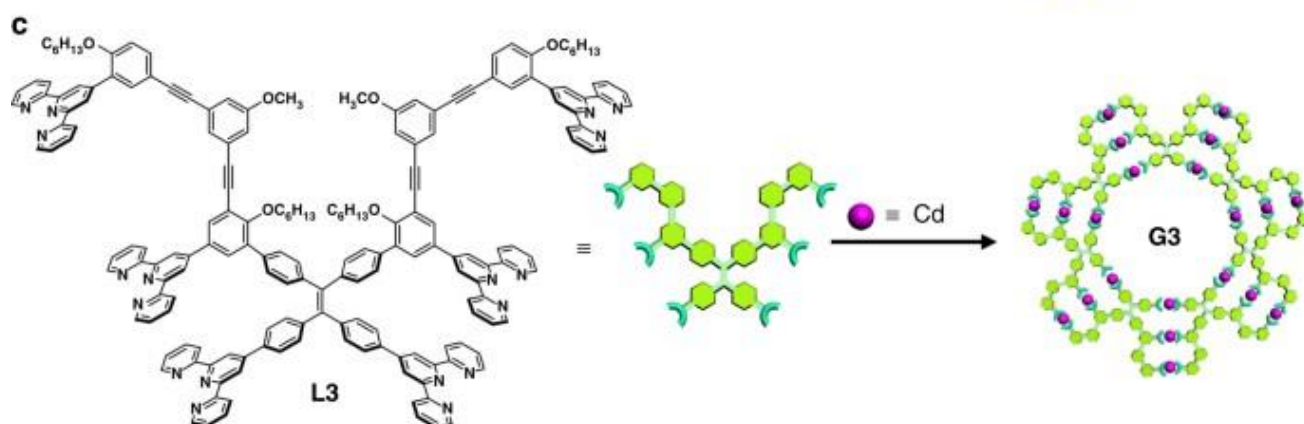
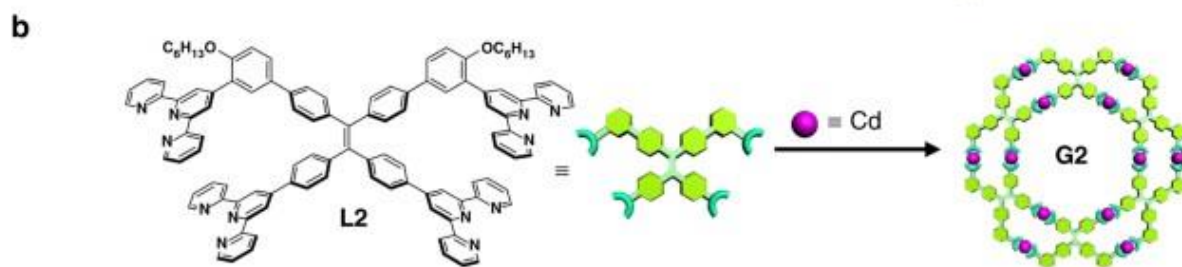
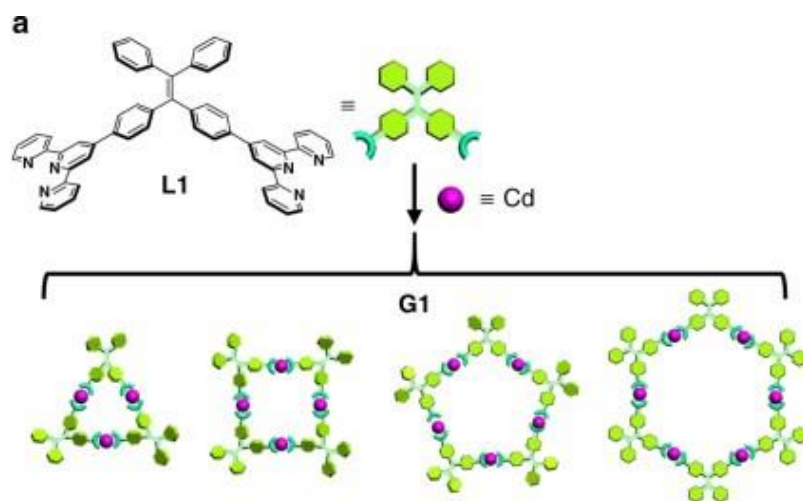


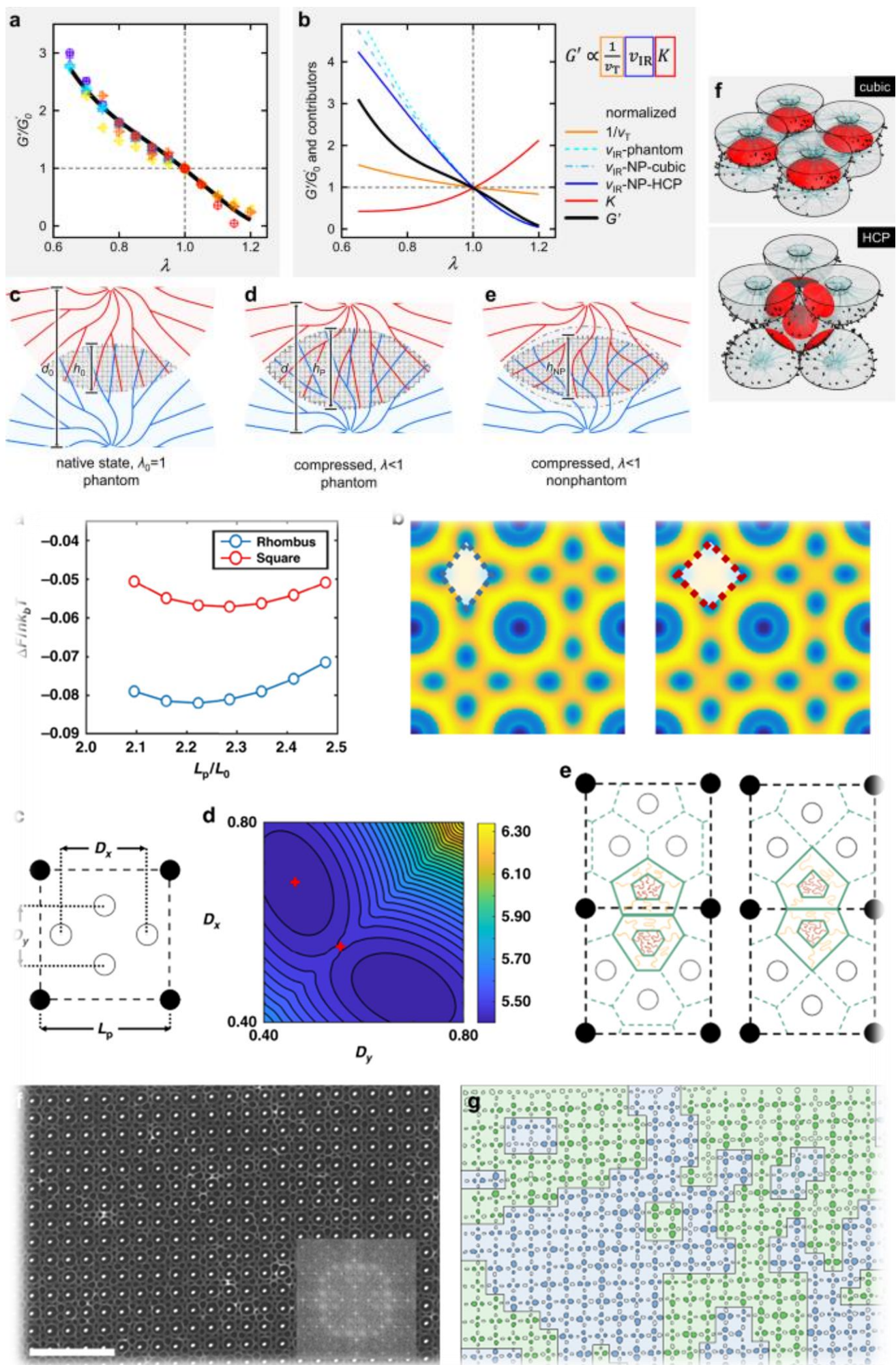
b

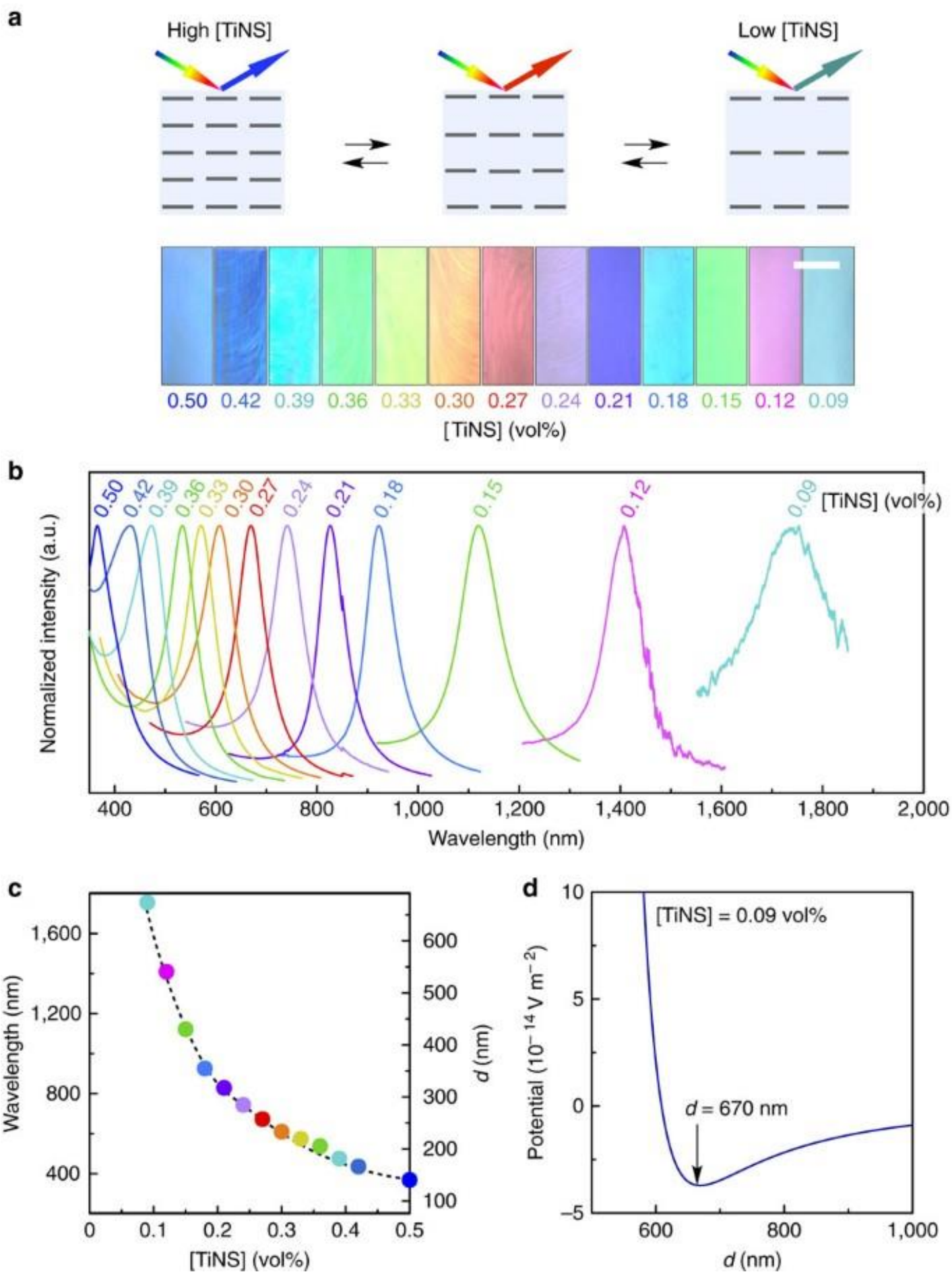


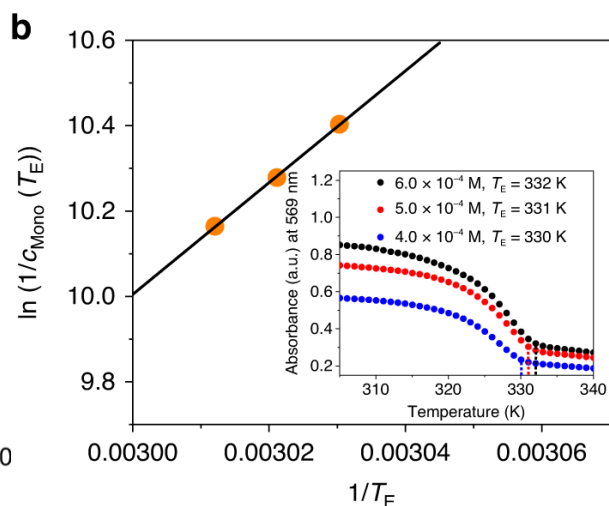
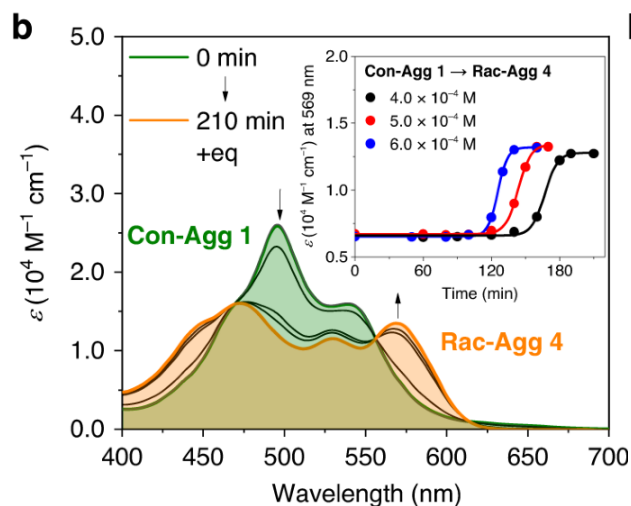
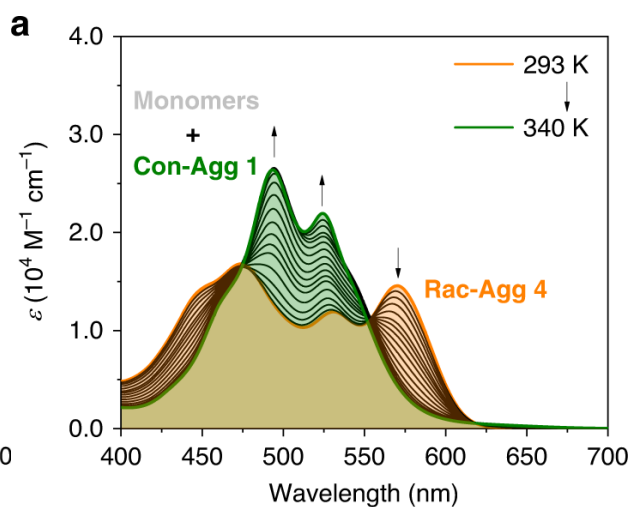
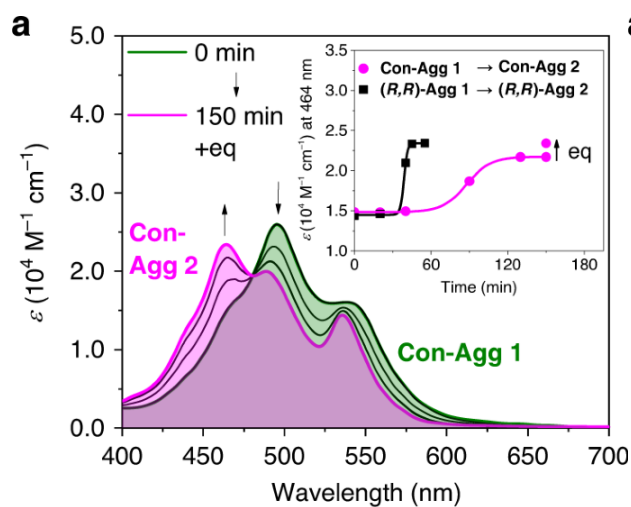
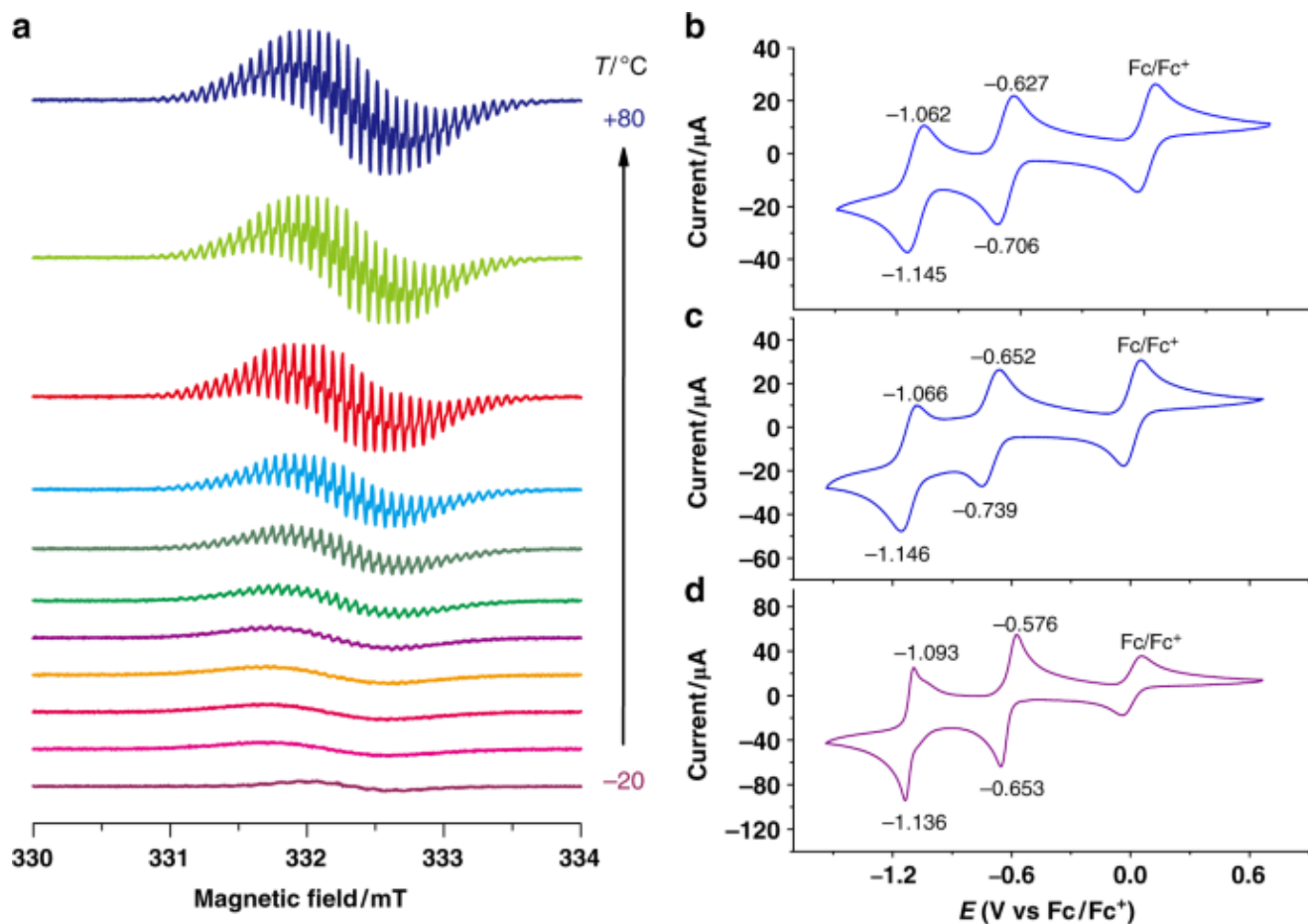
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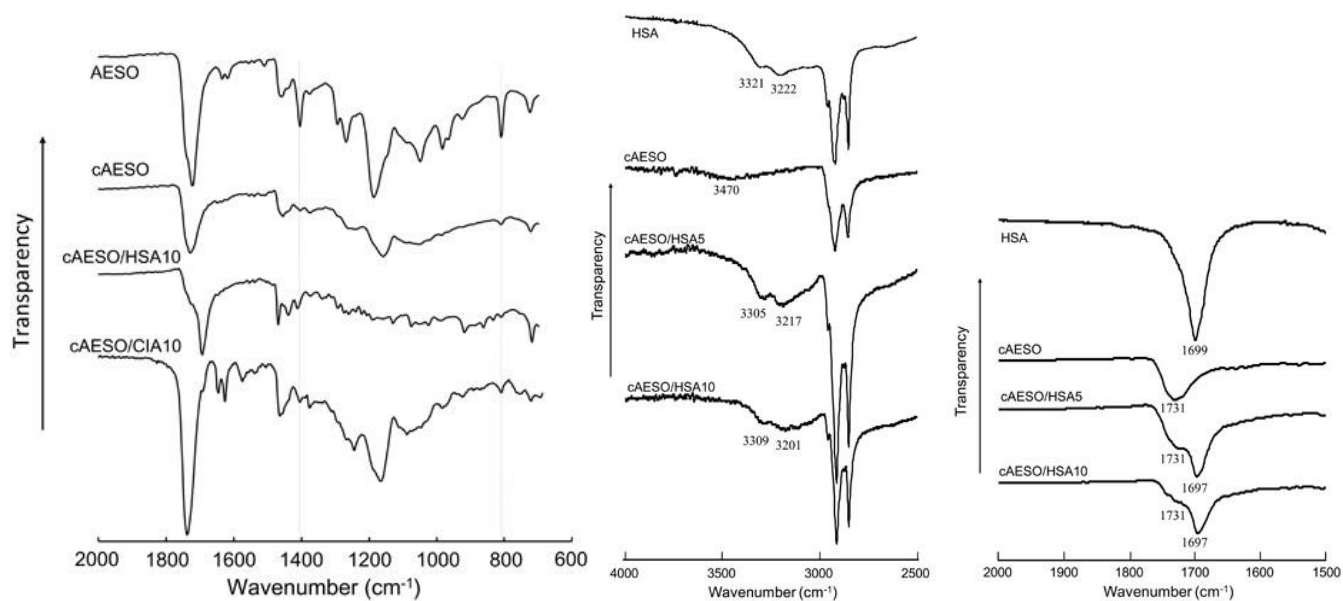
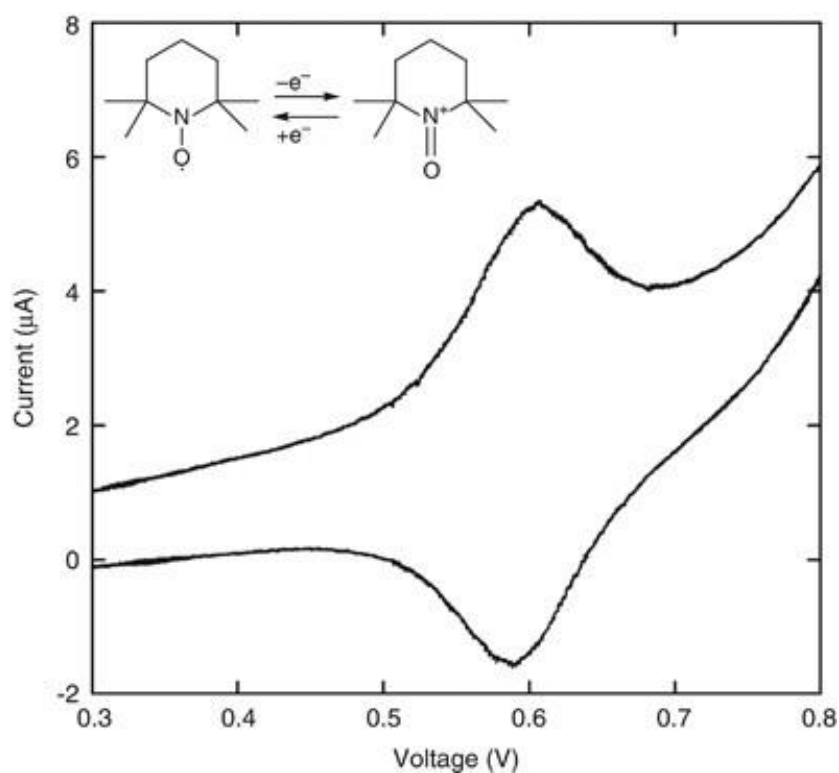
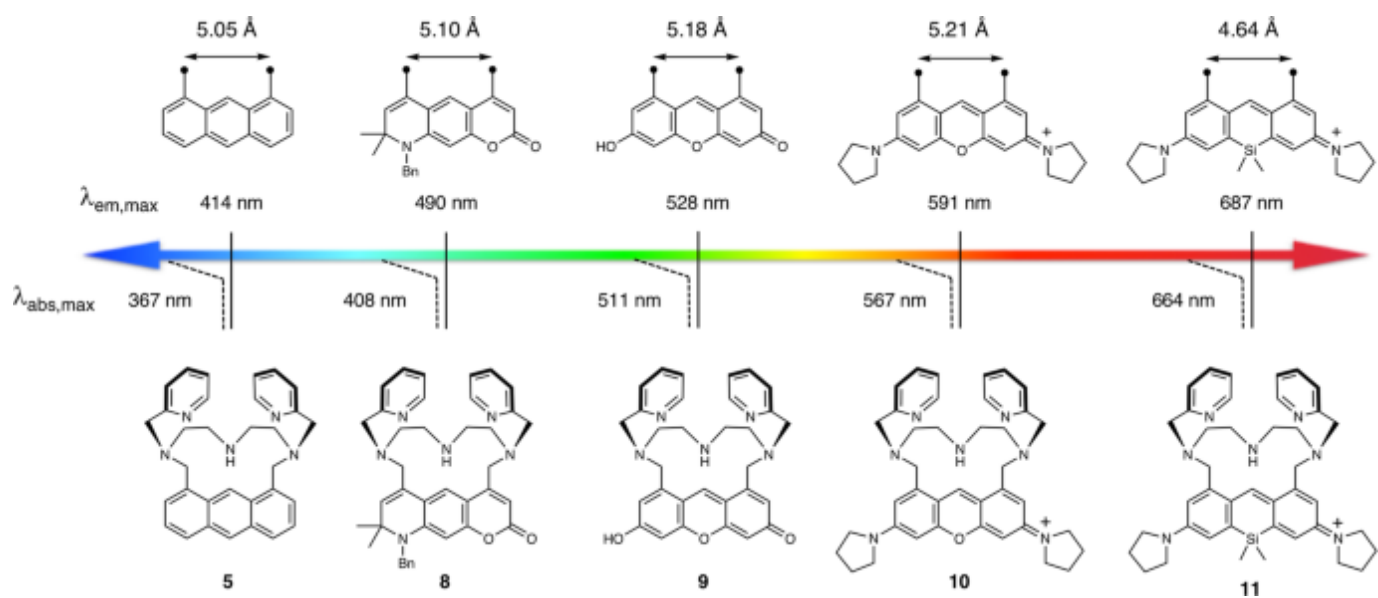


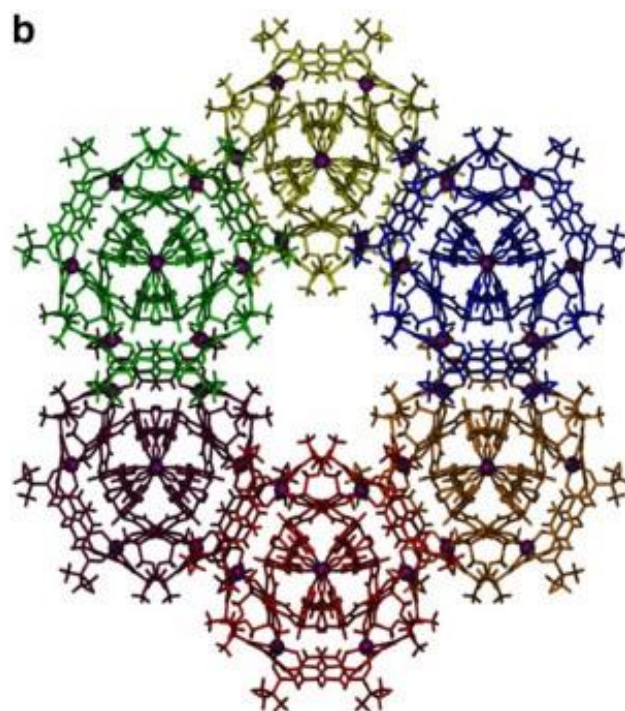
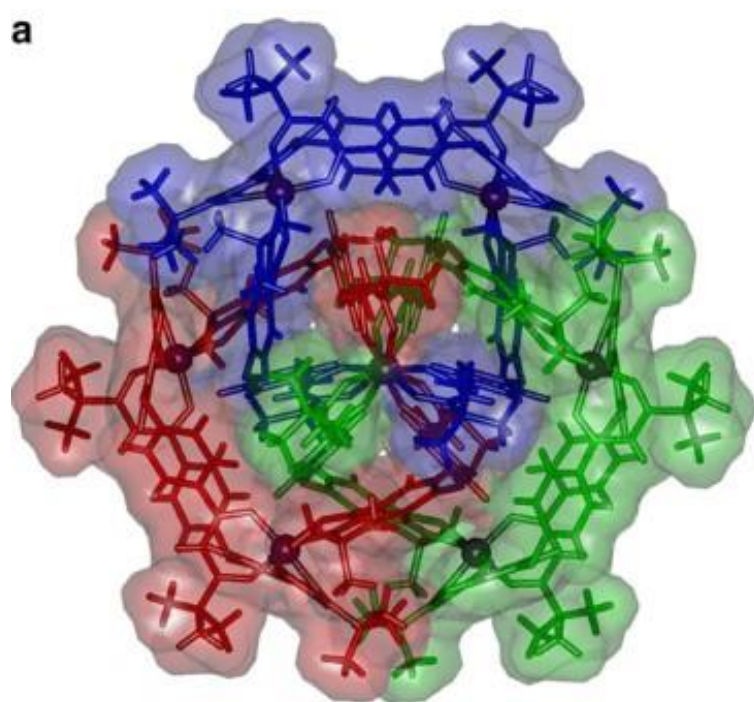
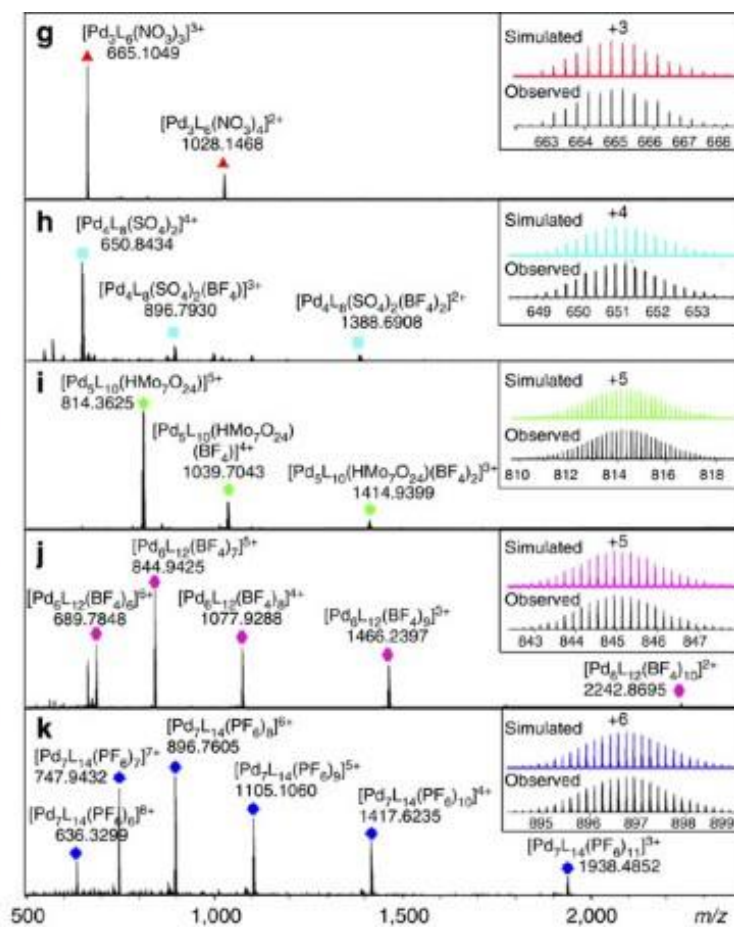
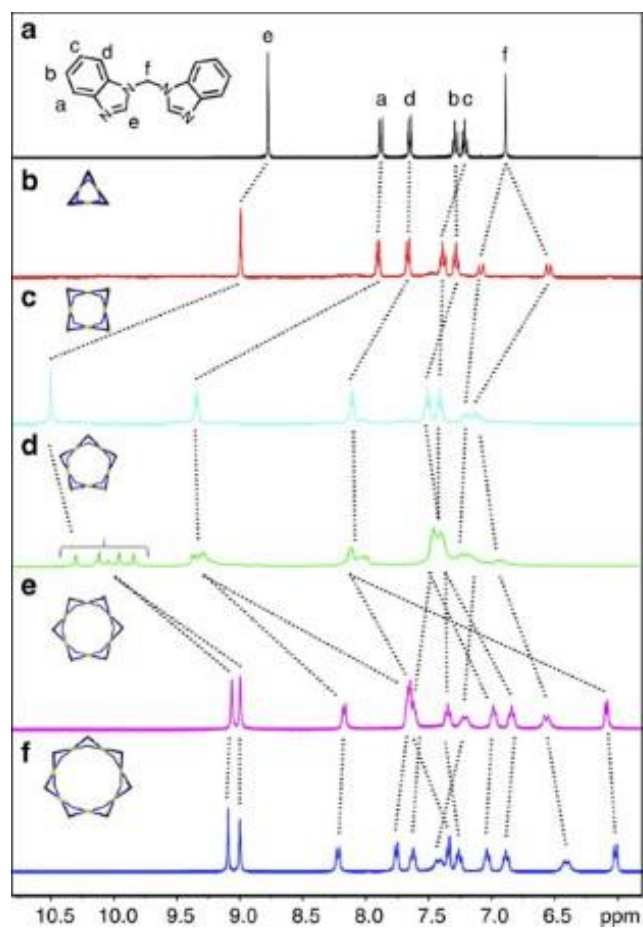


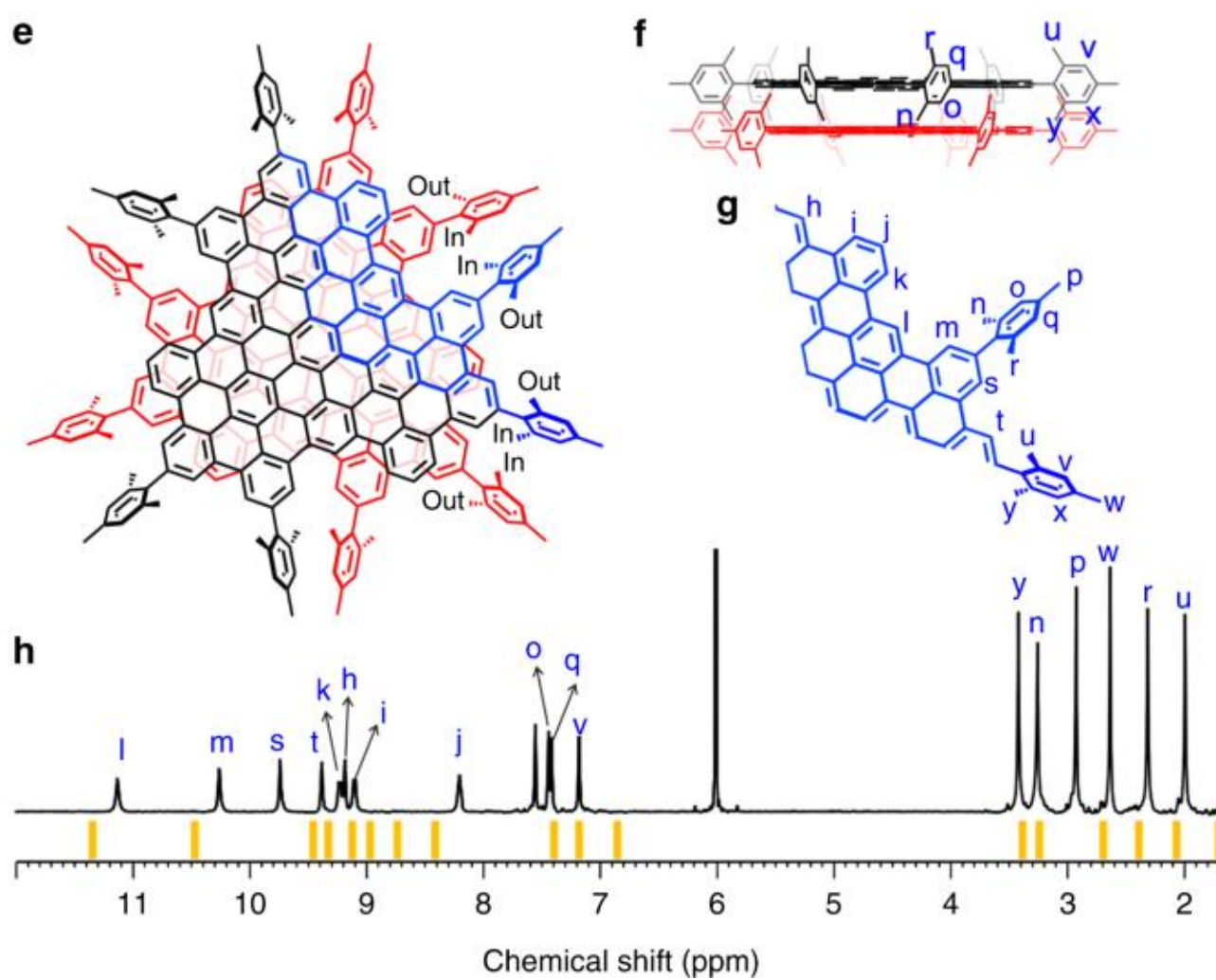
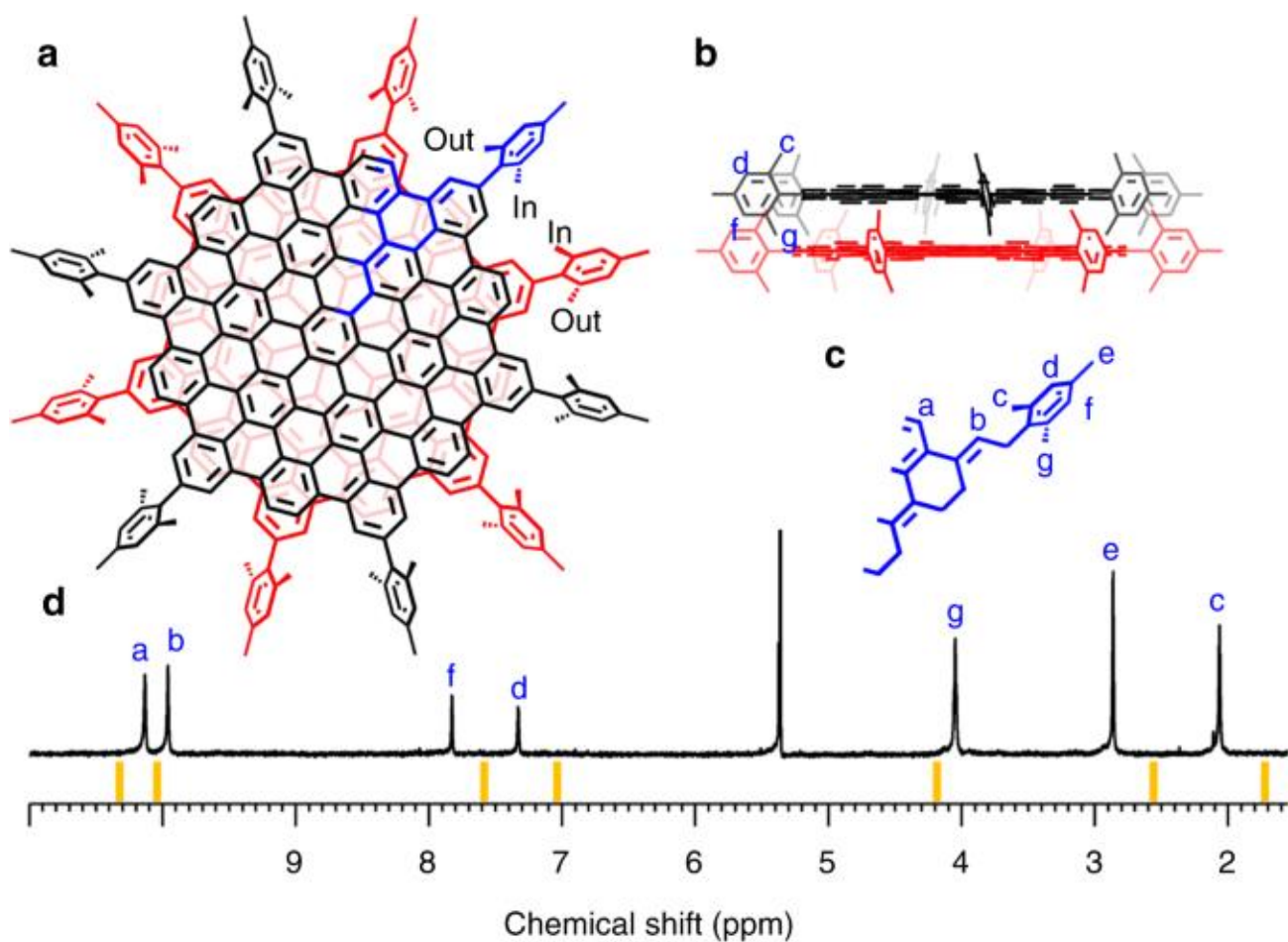


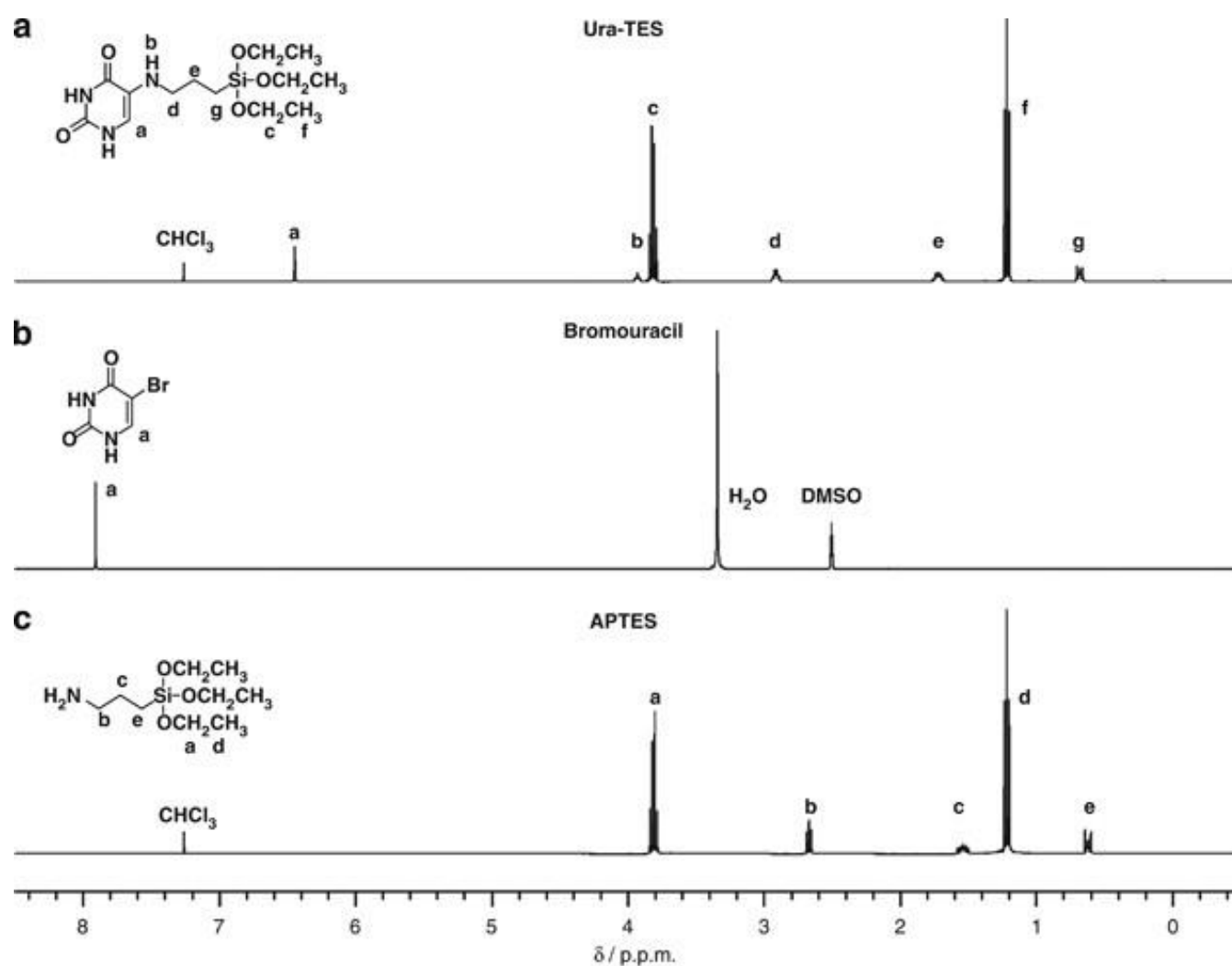
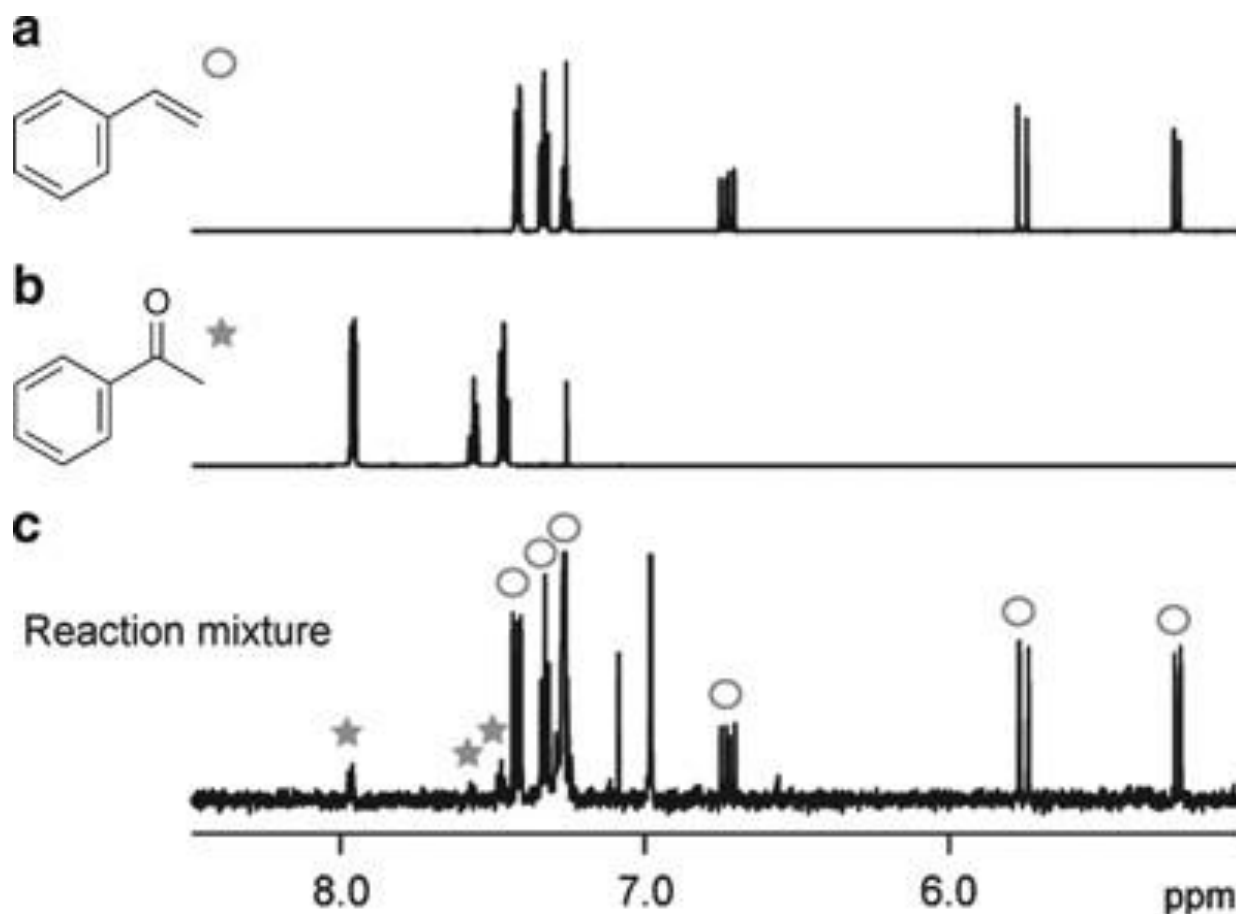


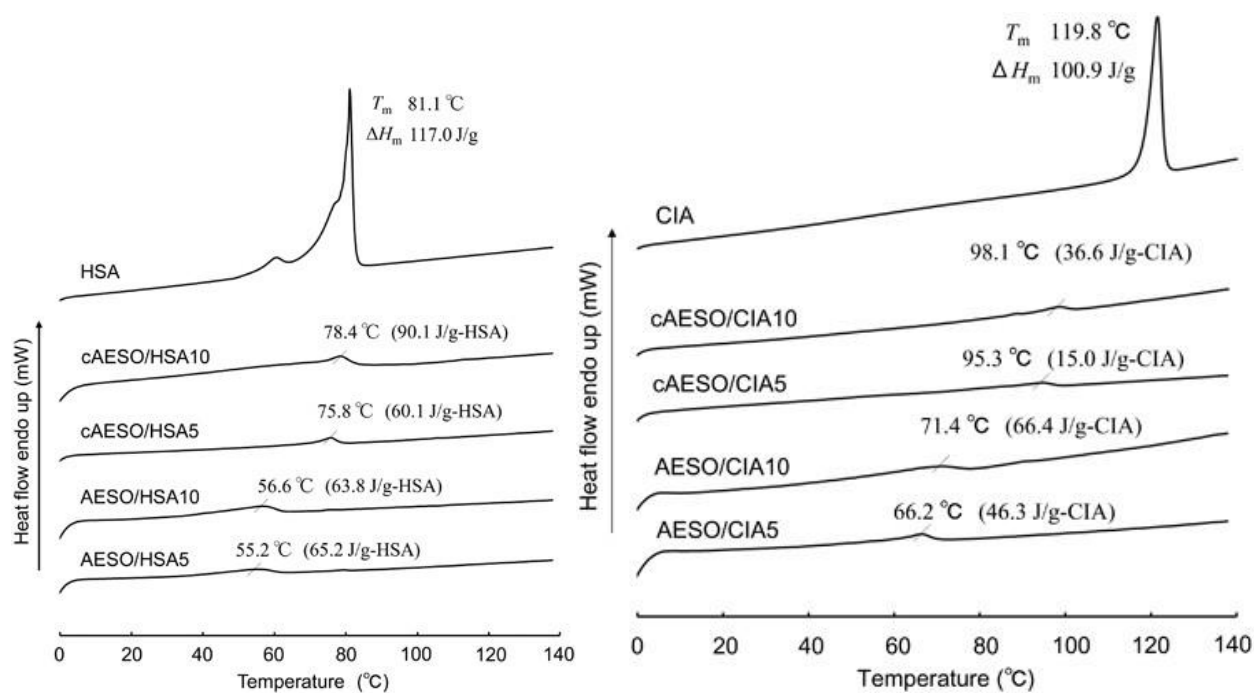
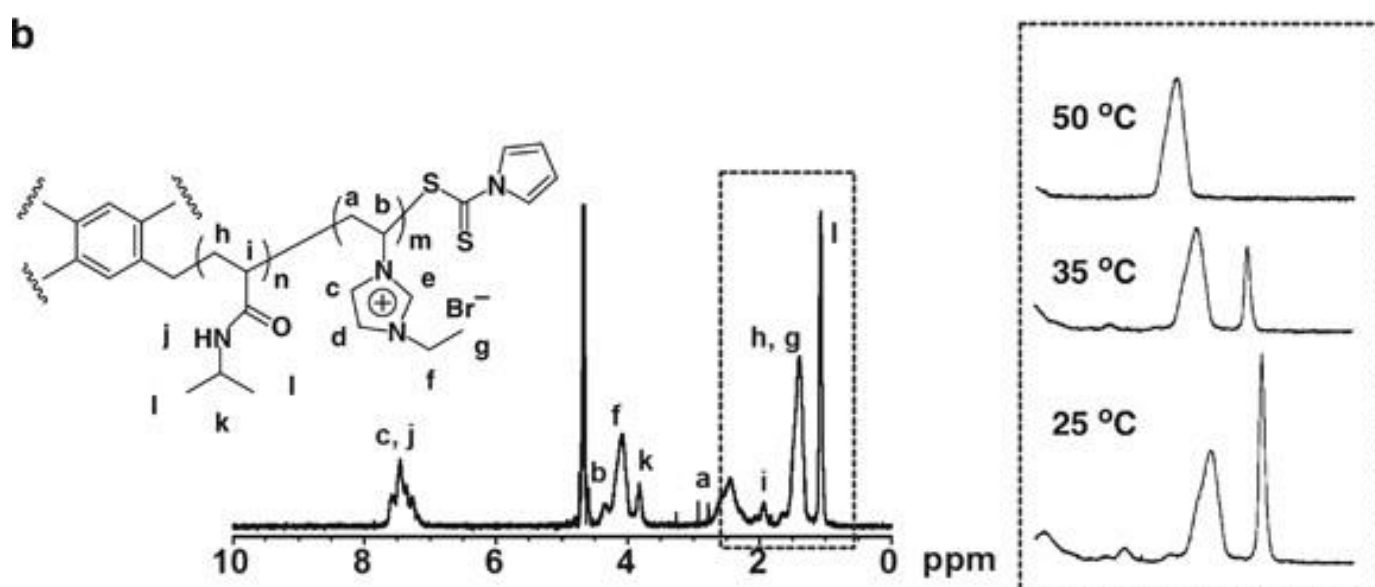
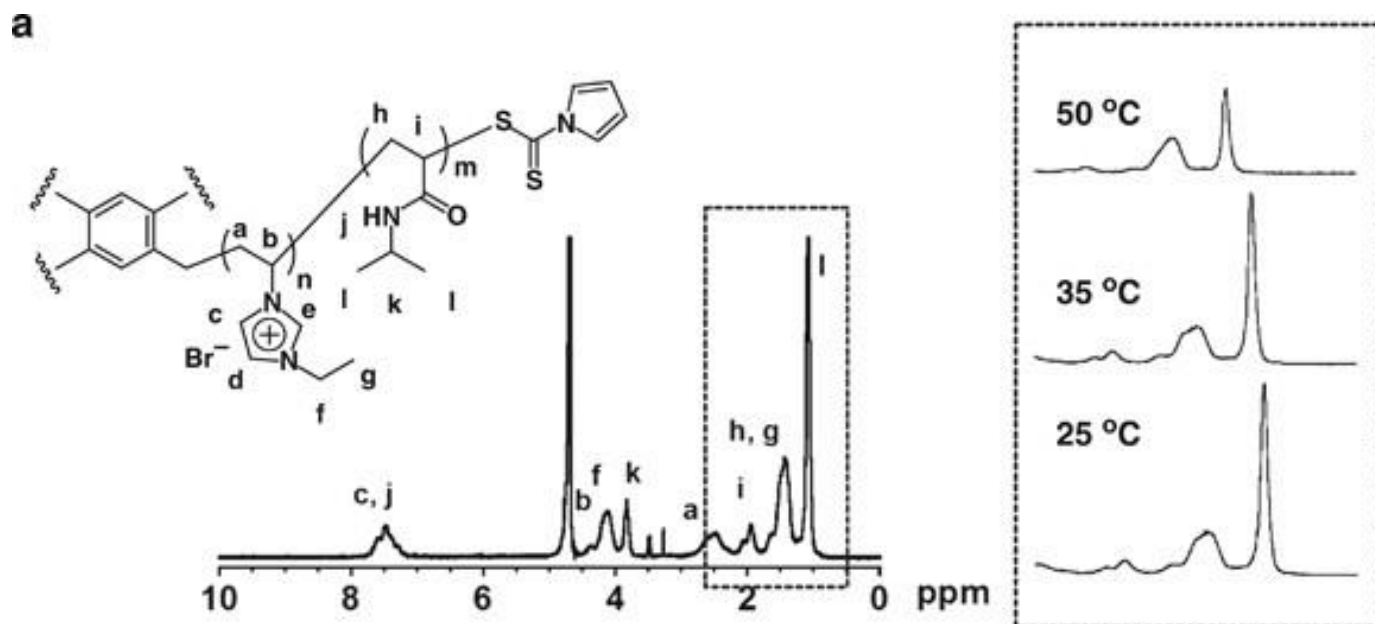


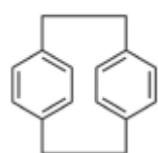




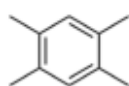




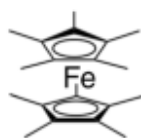




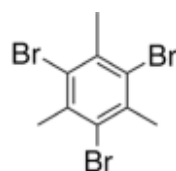
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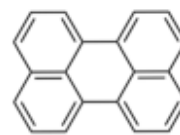
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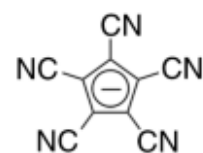
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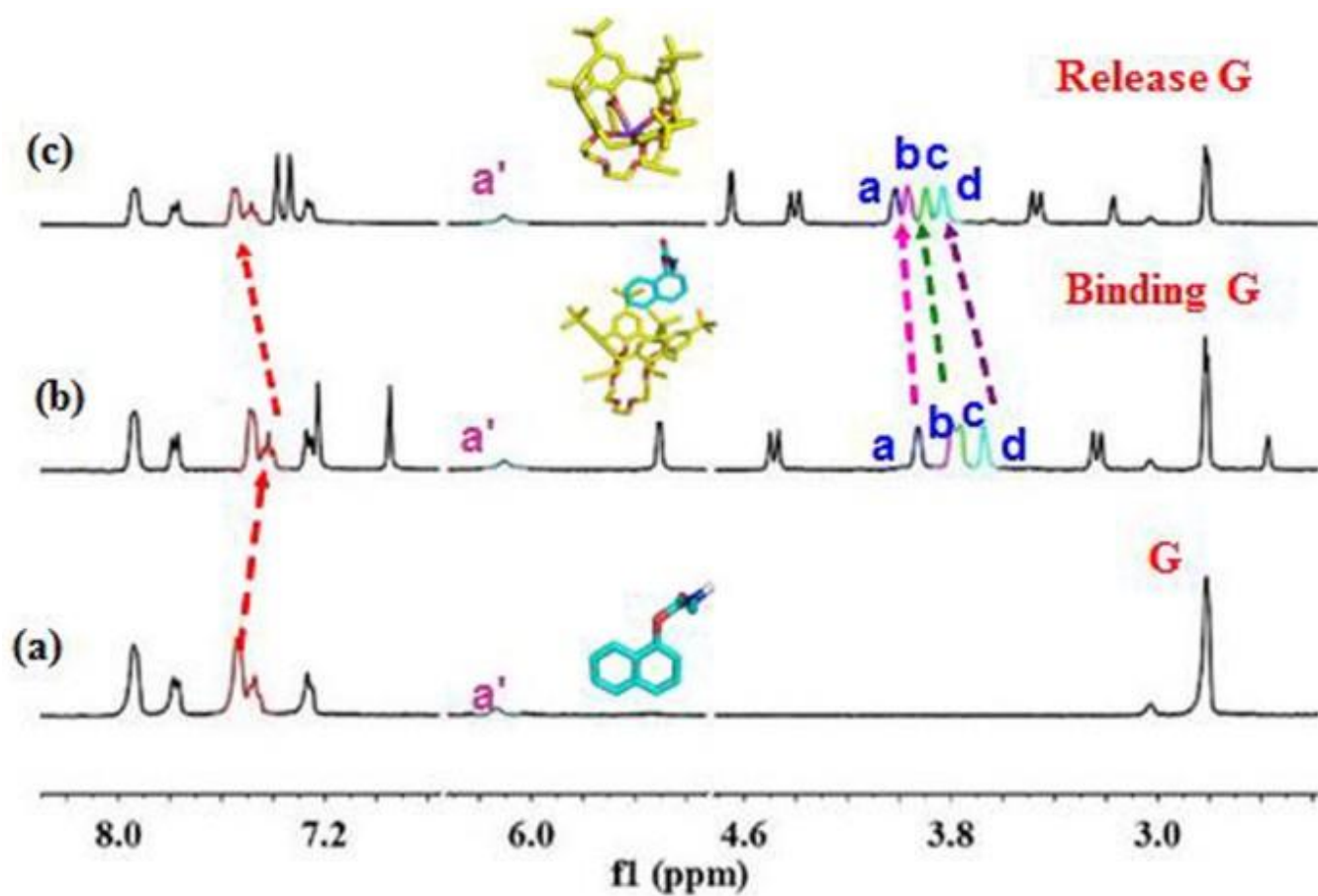
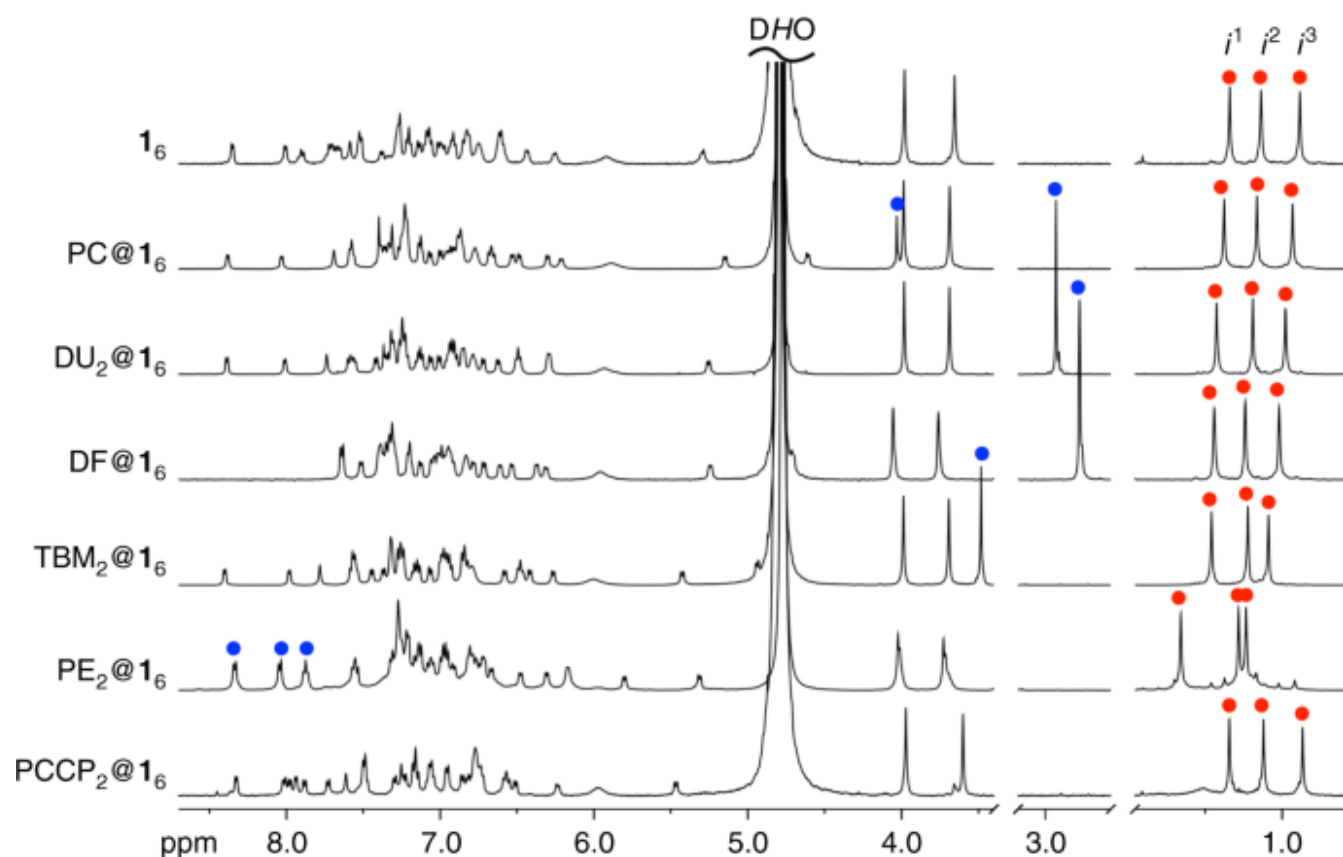
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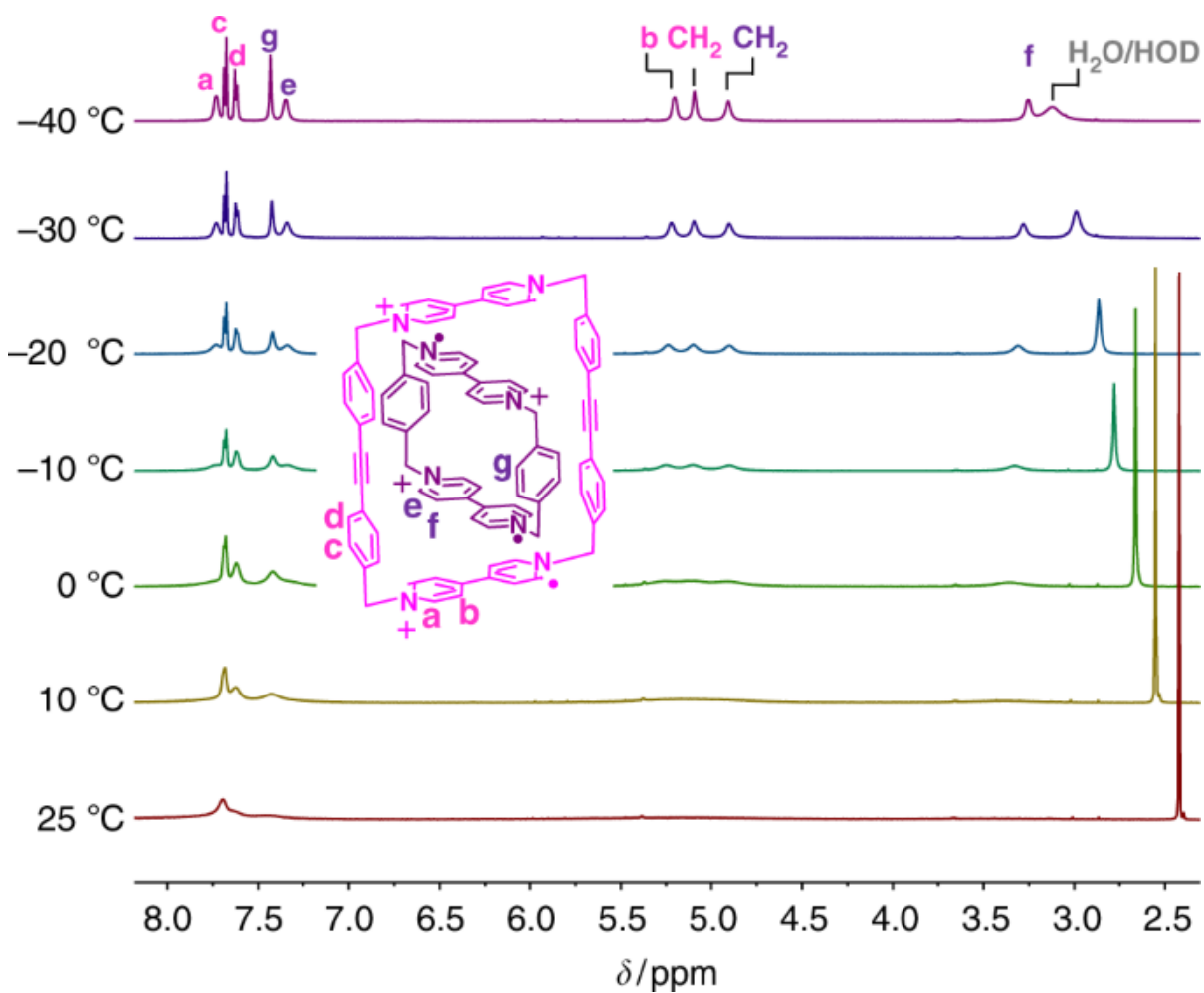
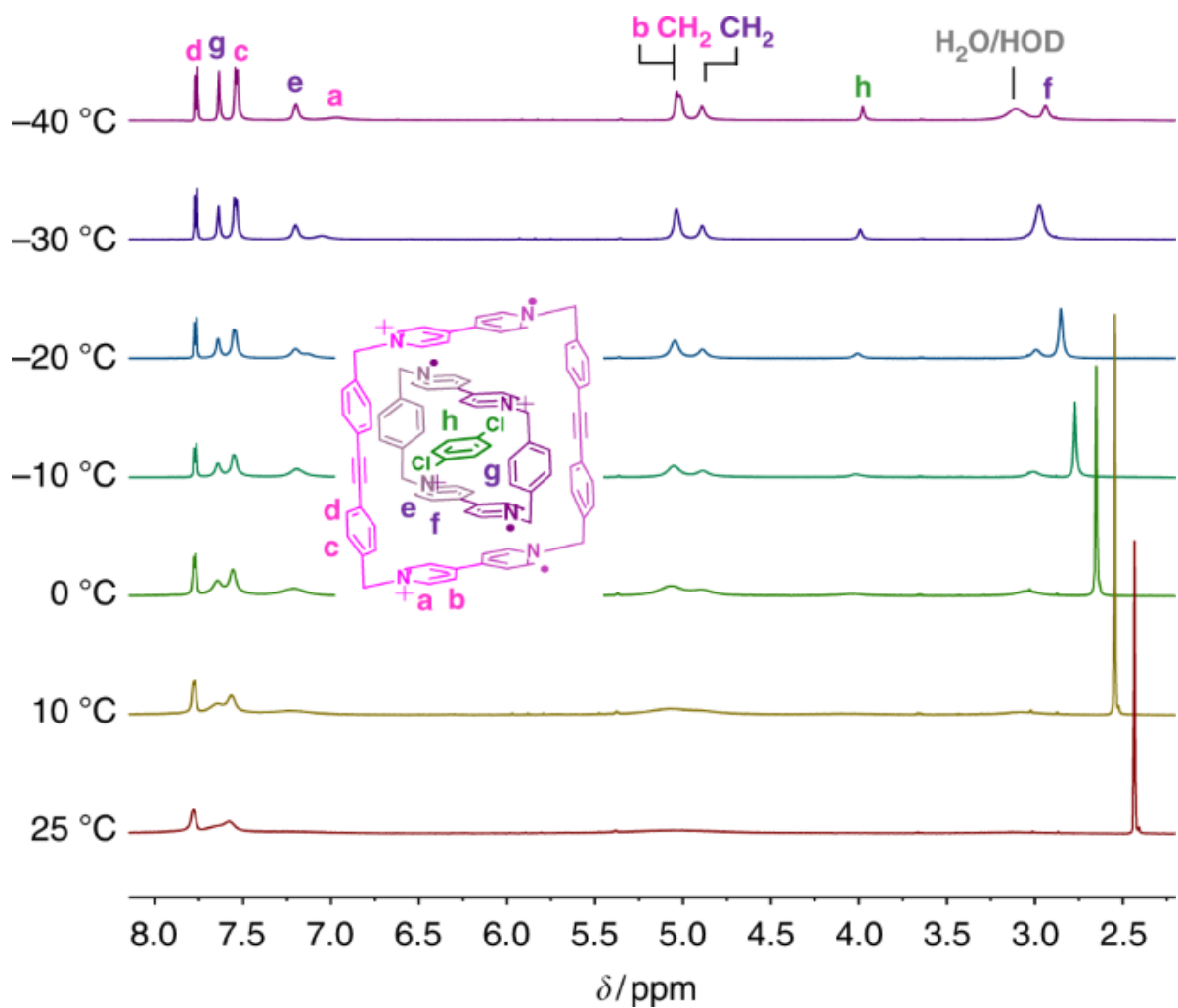


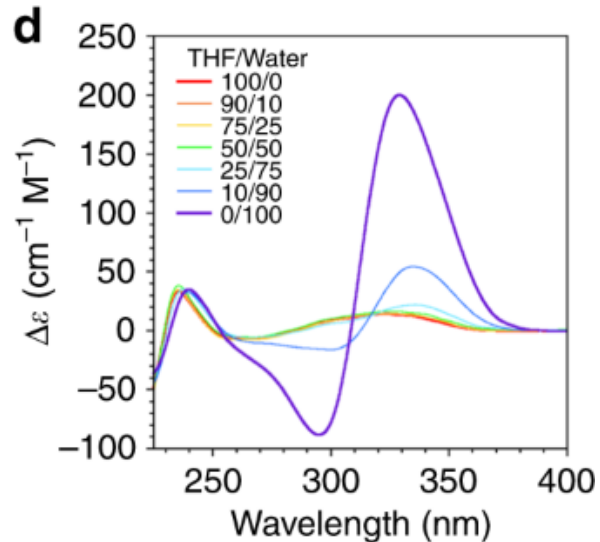
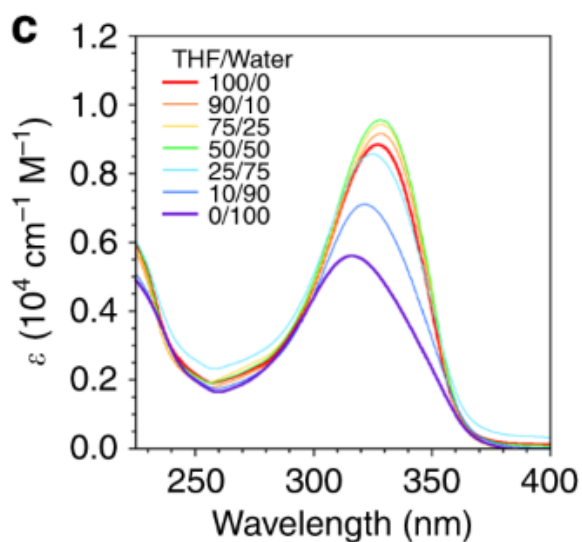
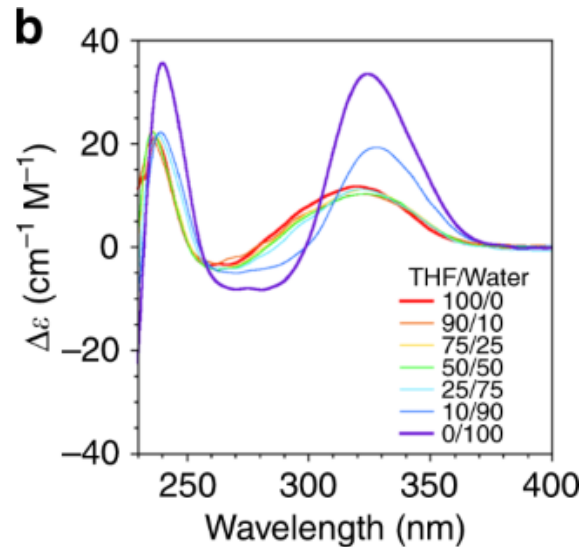
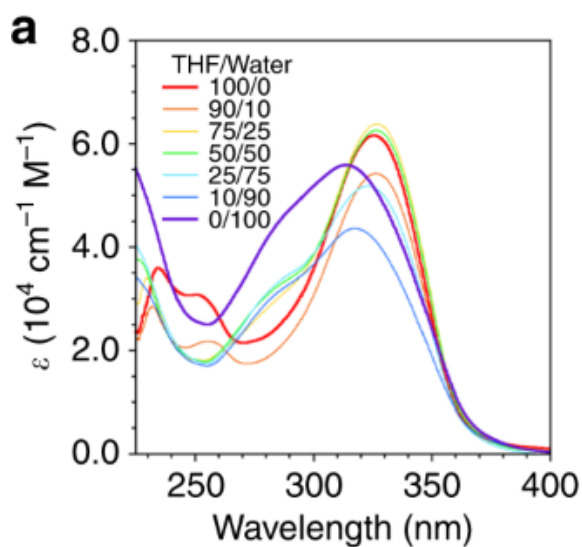
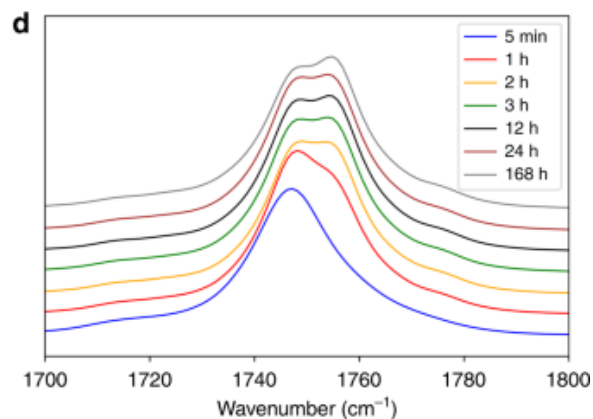
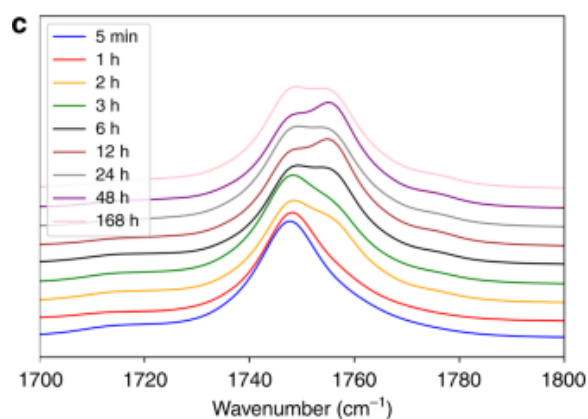
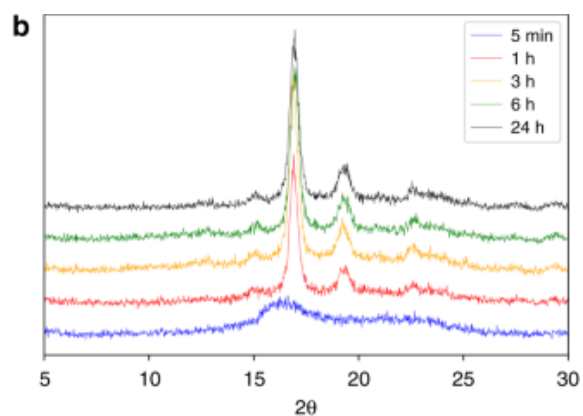
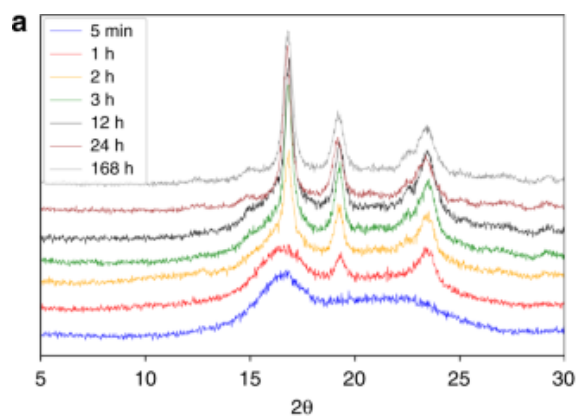
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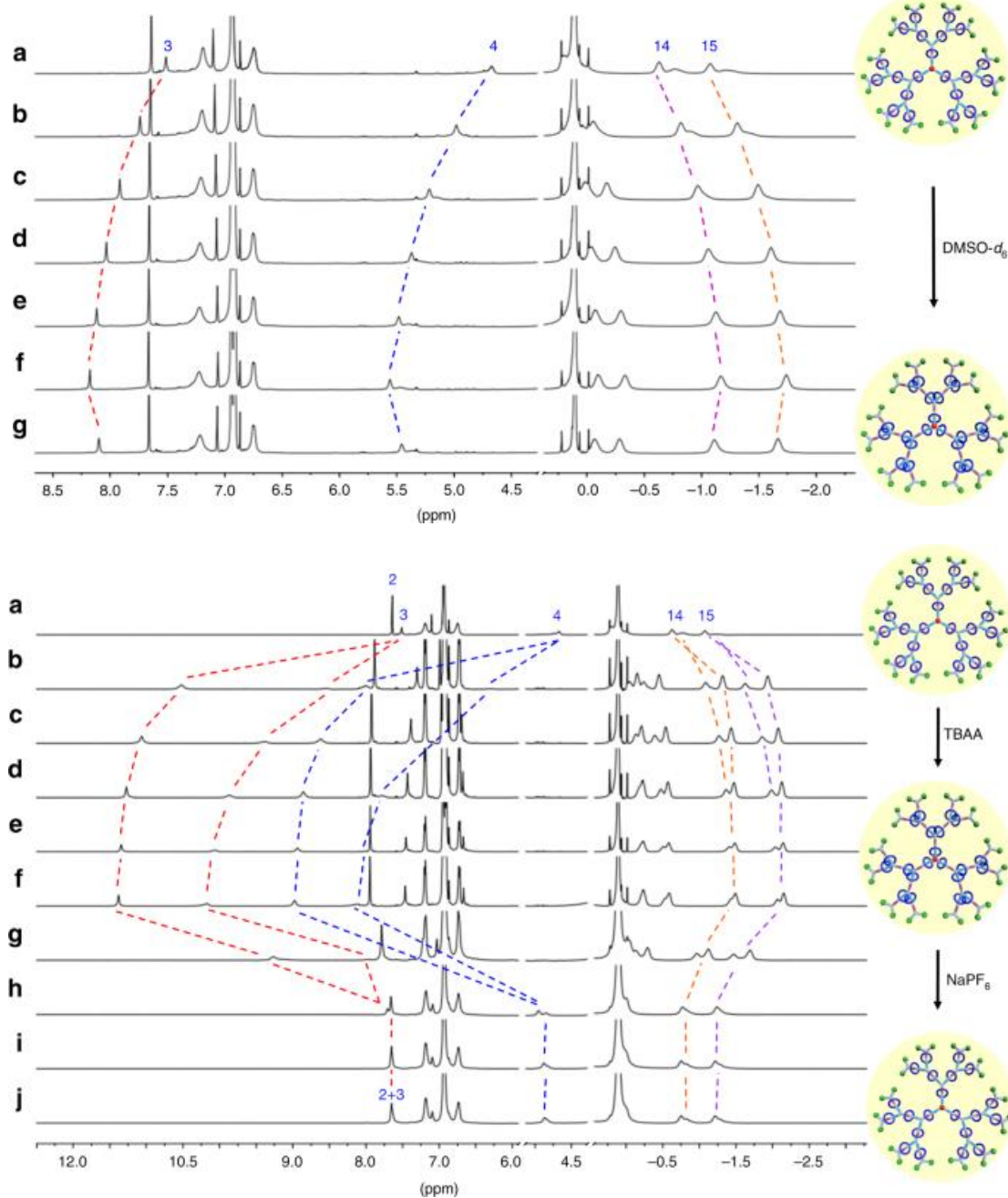
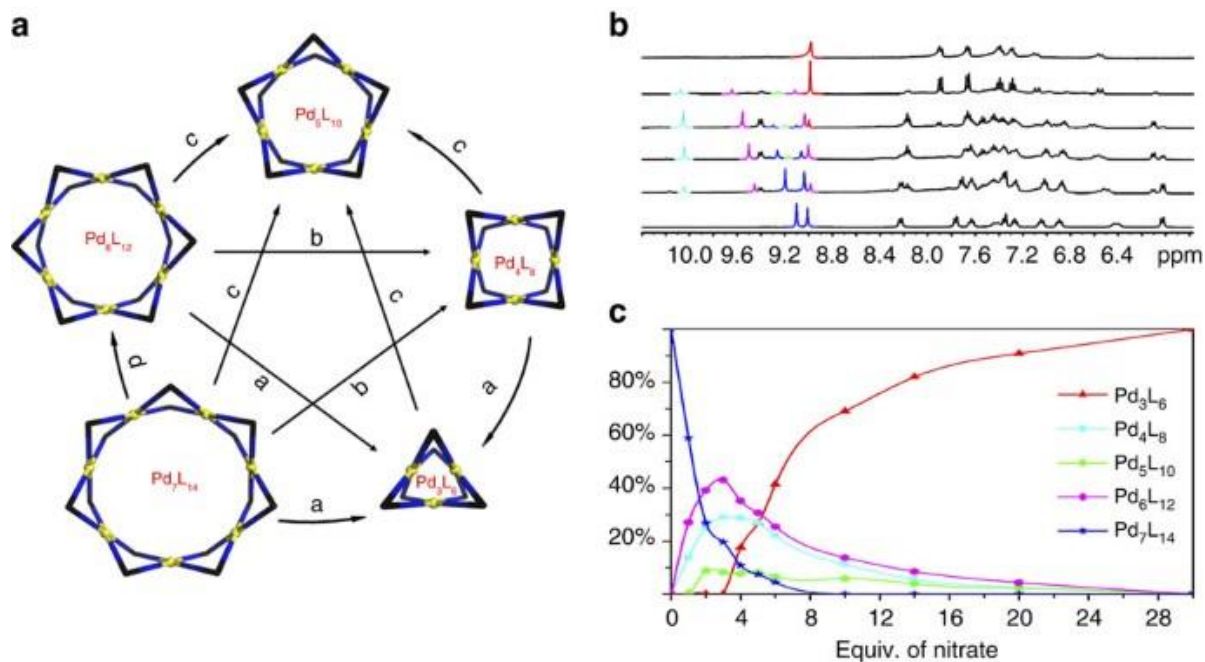


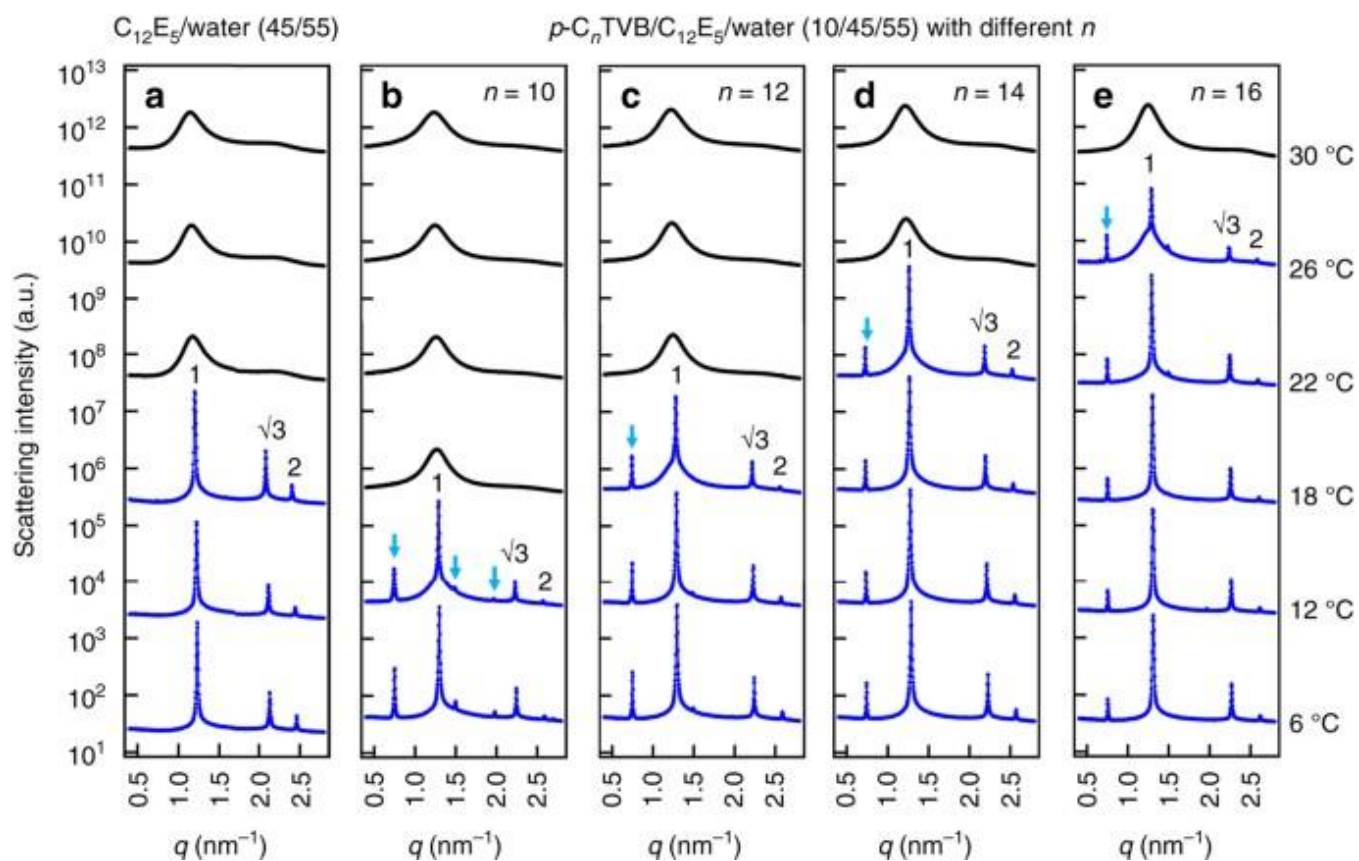
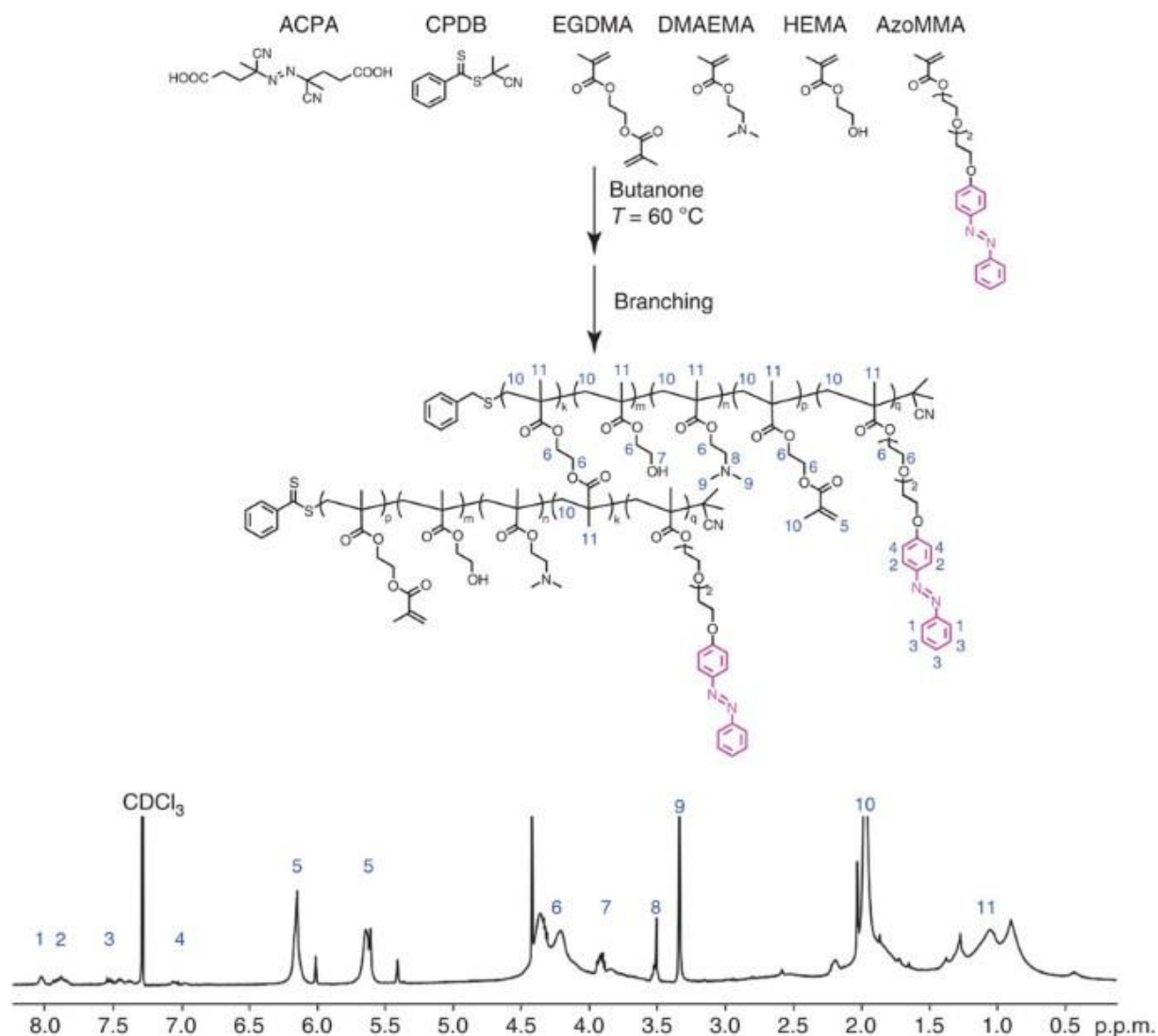
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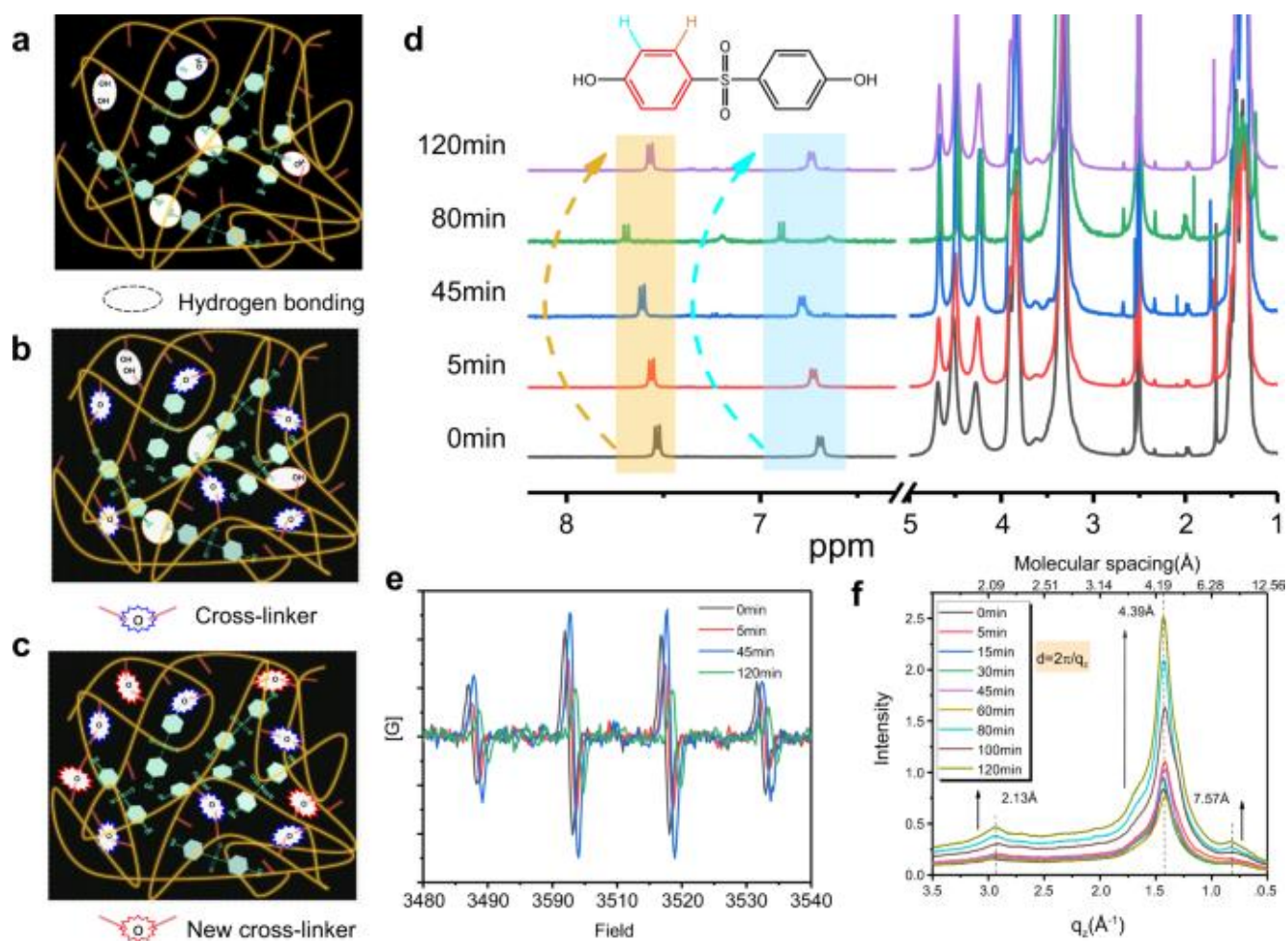
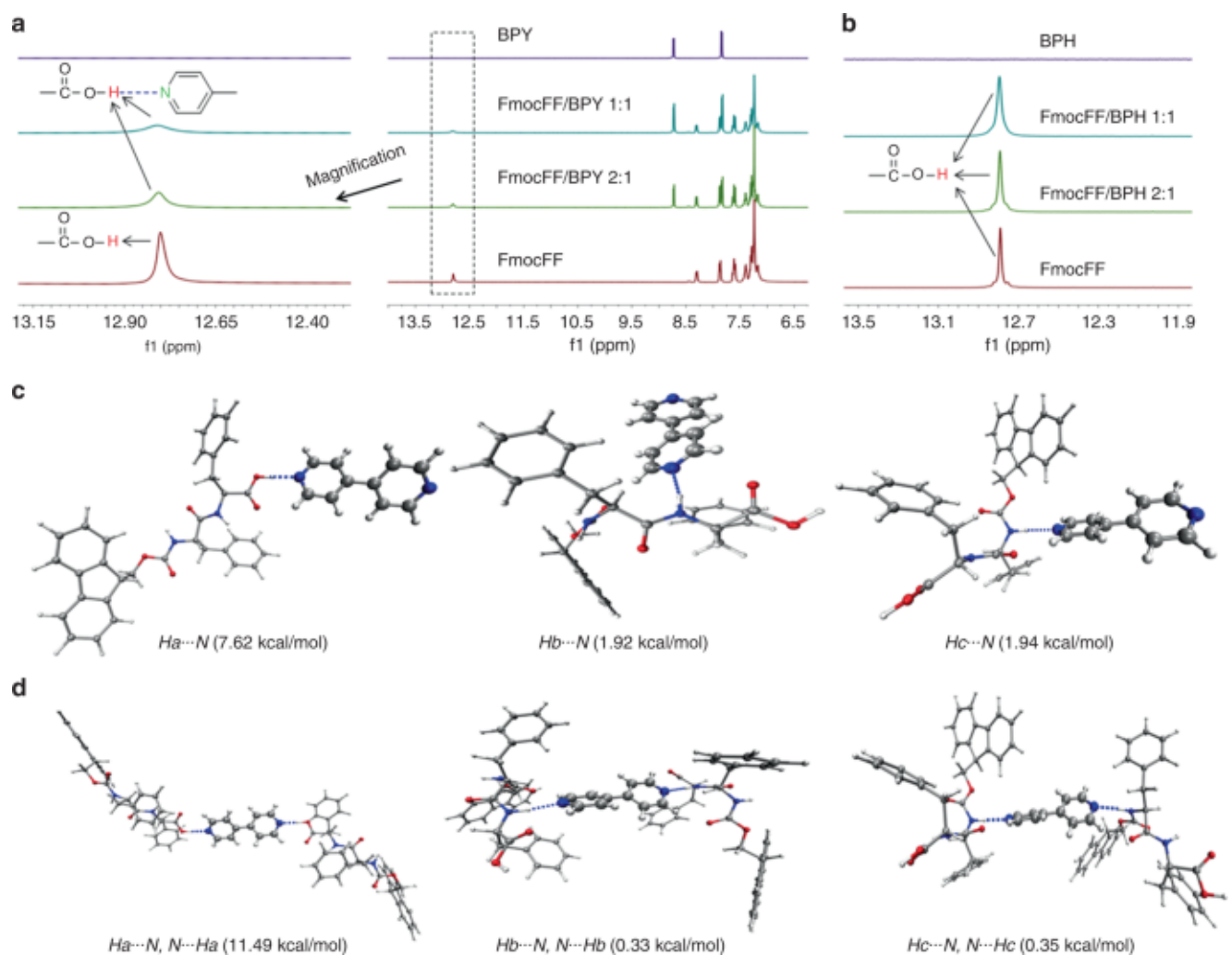


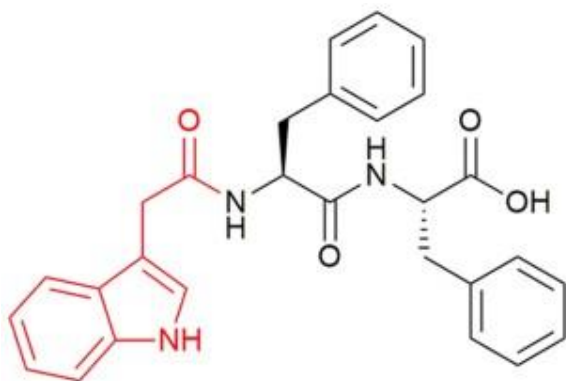




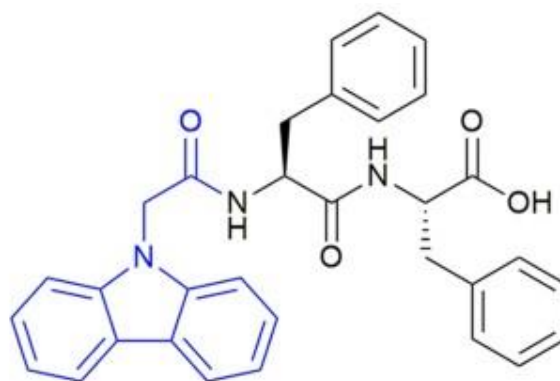






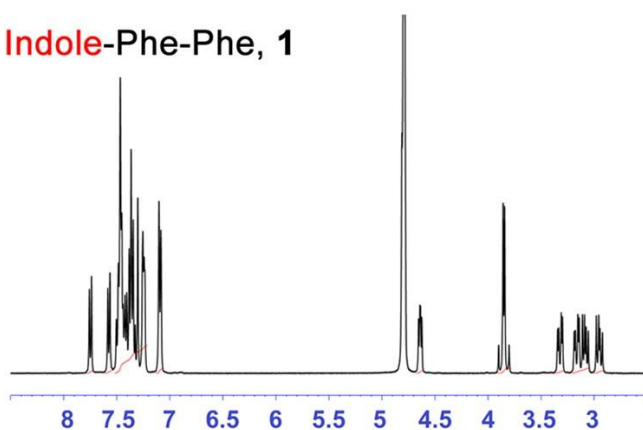


Indole-Phe-Phe, 1

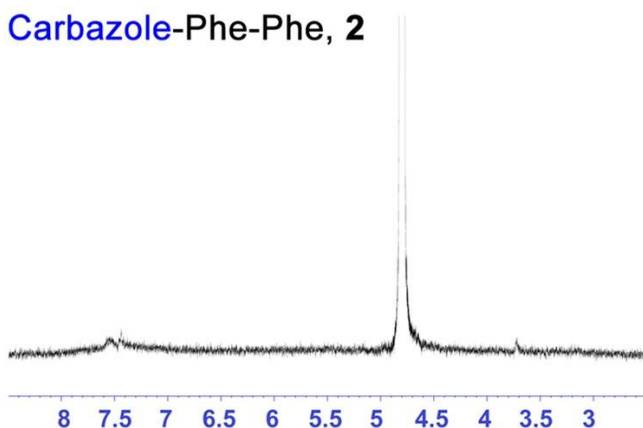


Carbazole-Phe-Phe, 2

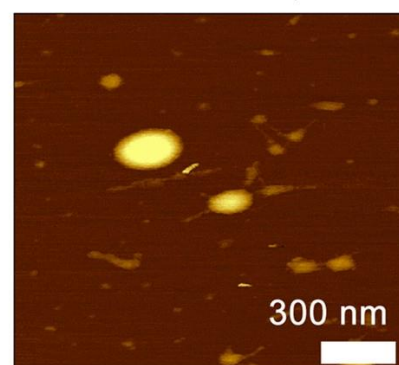
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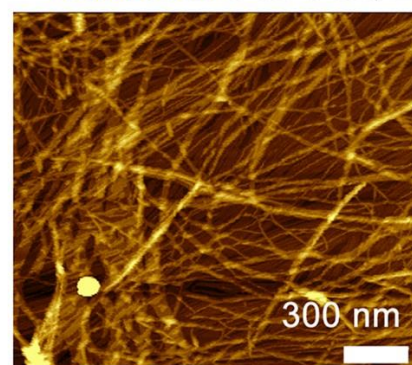
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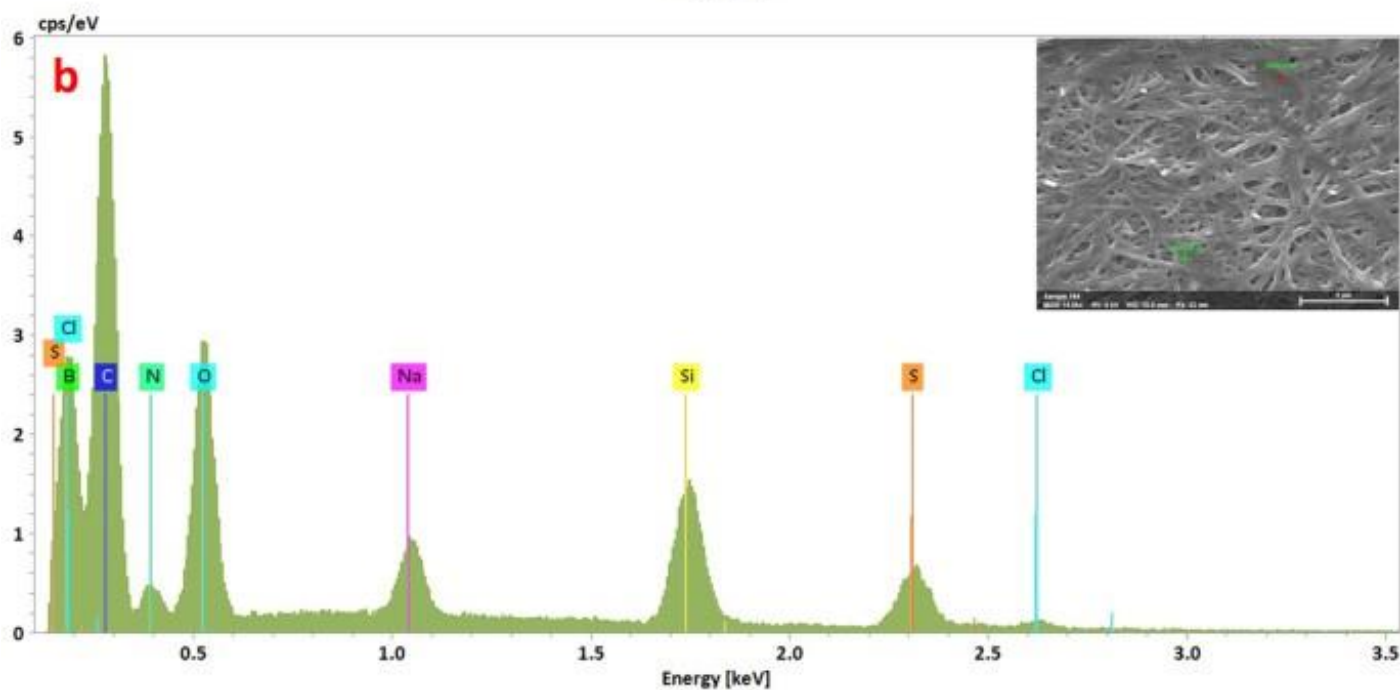
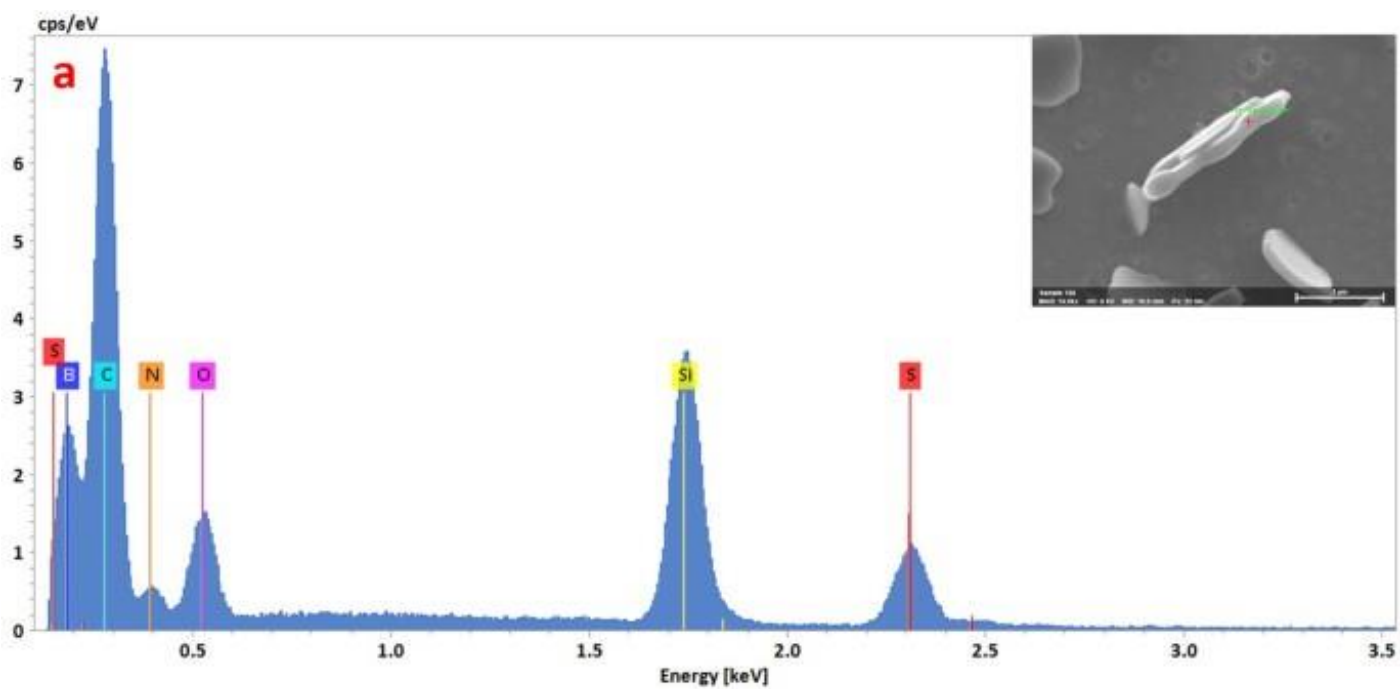


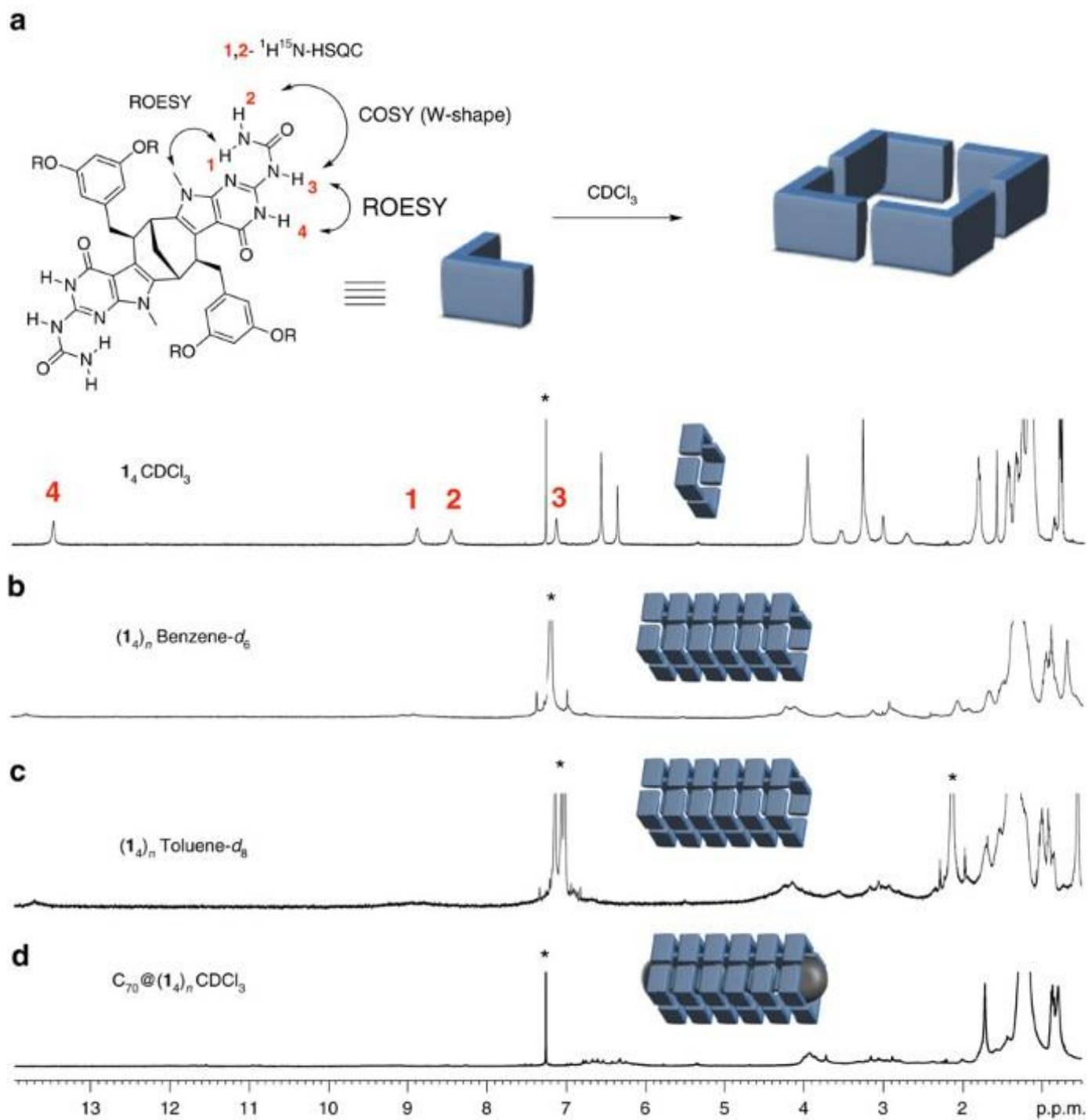
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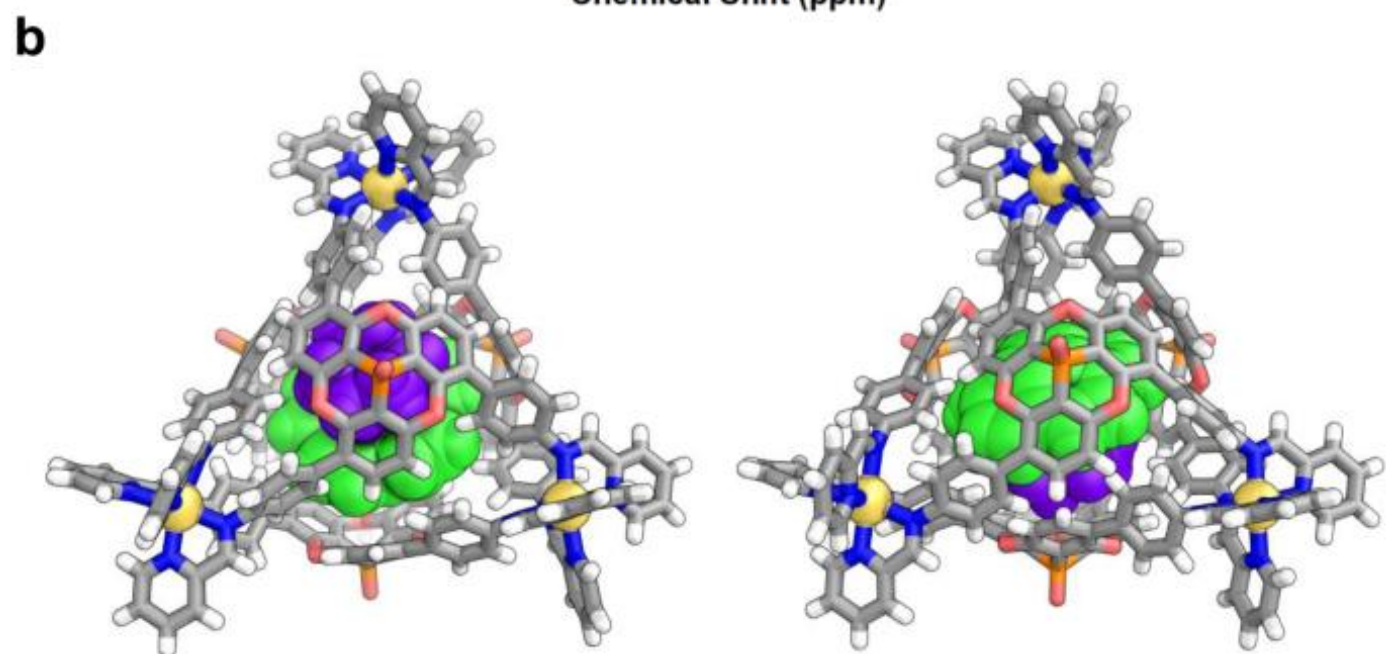
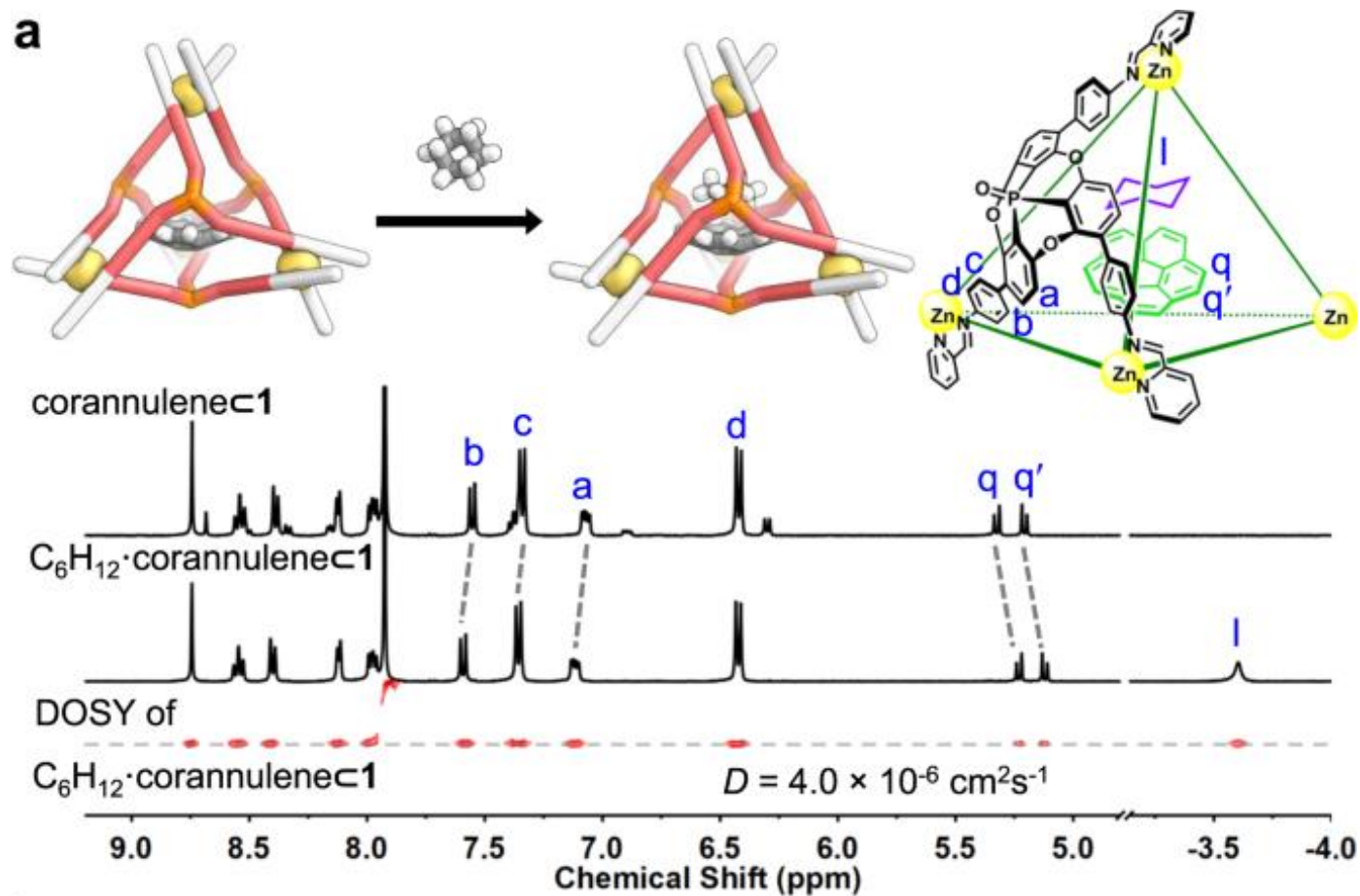


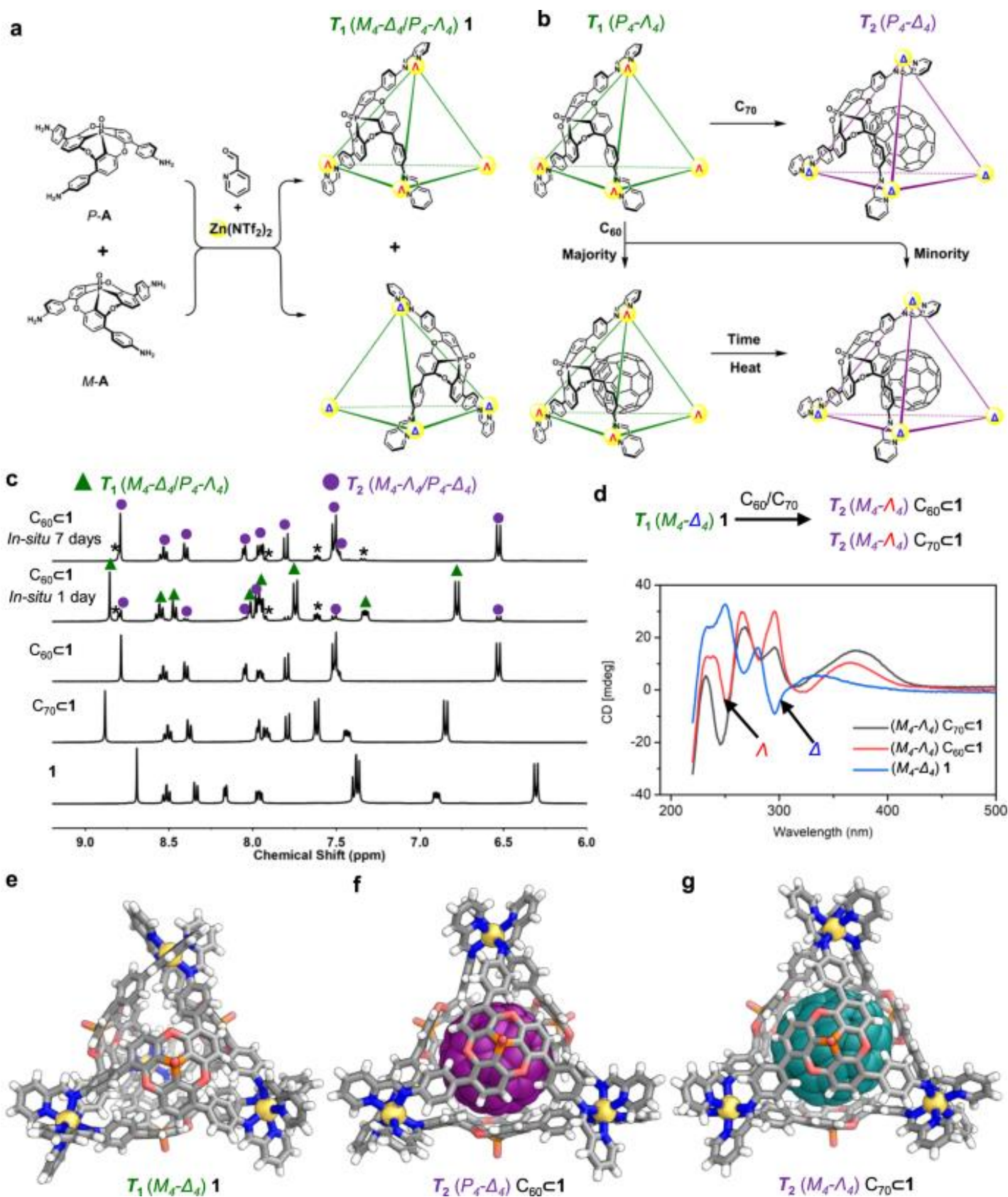
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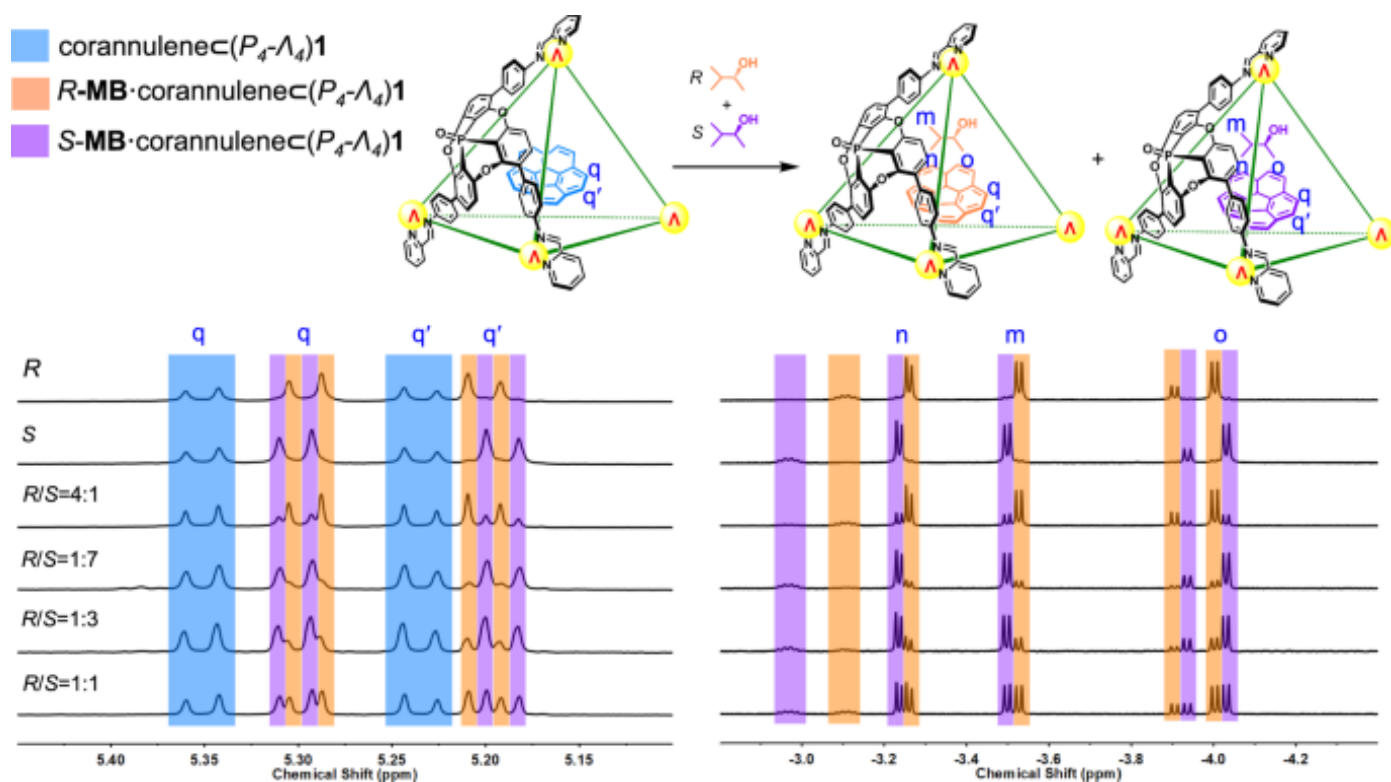
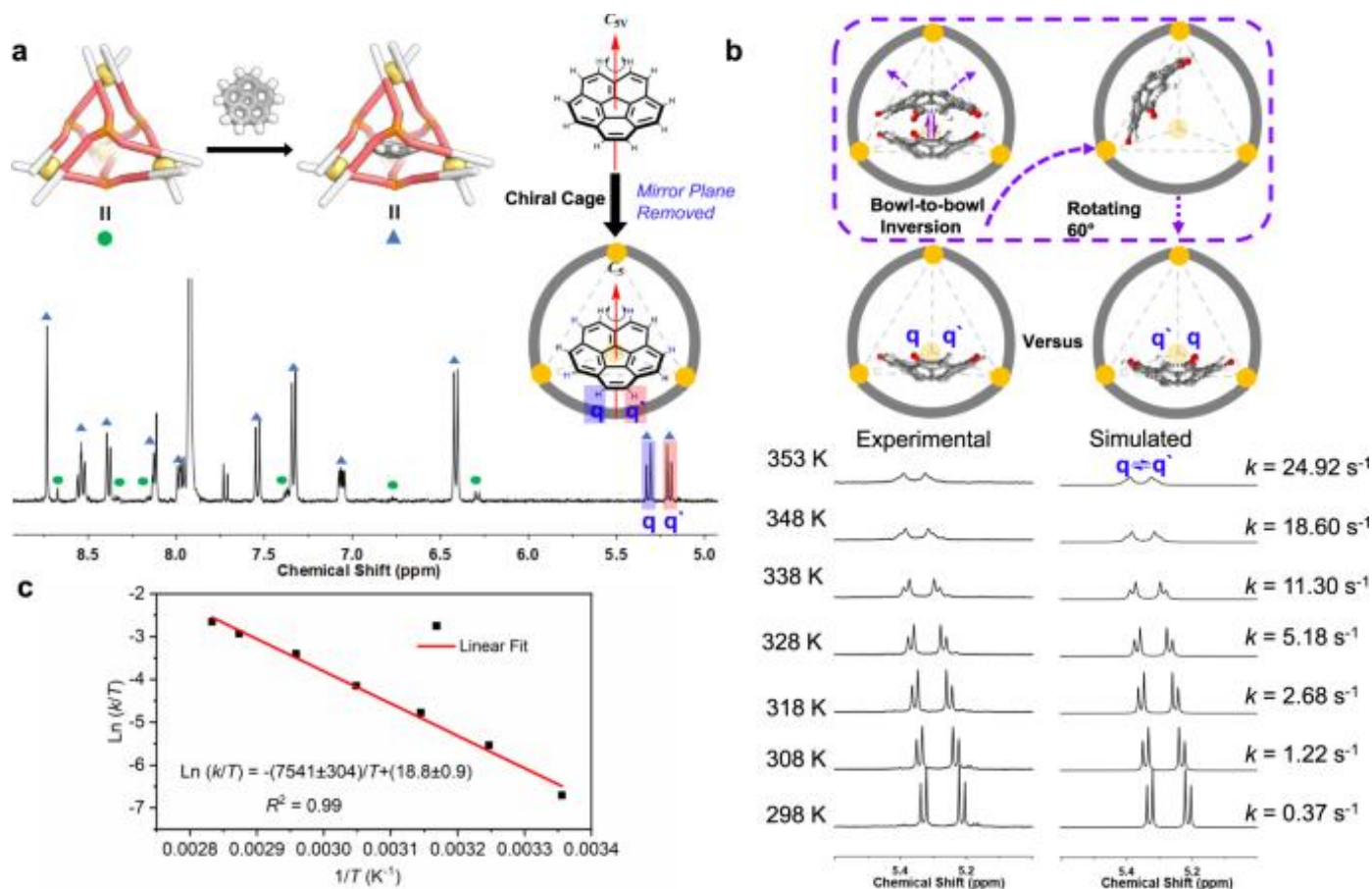


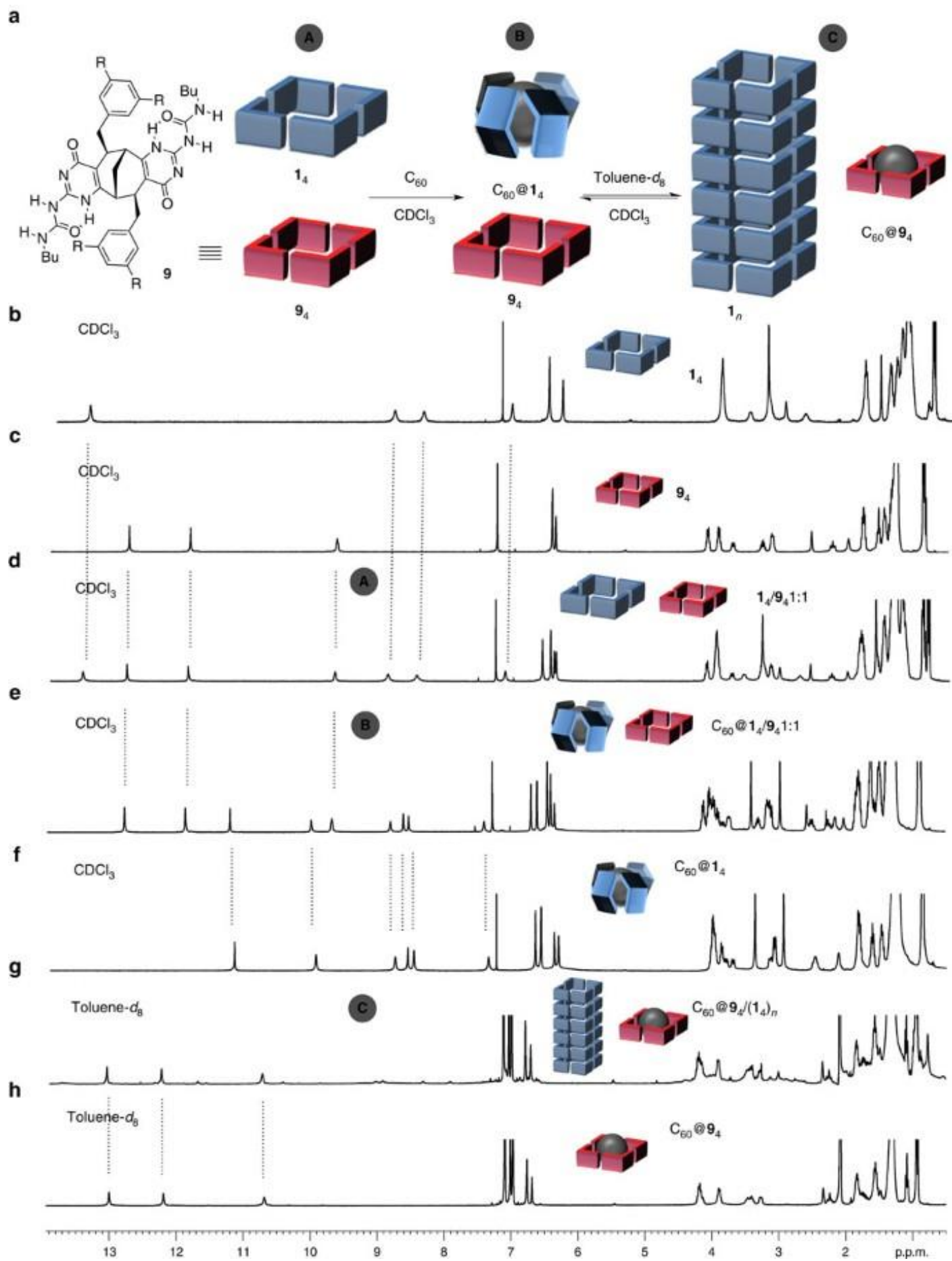


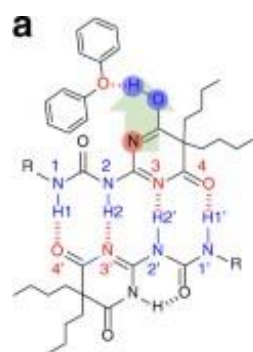




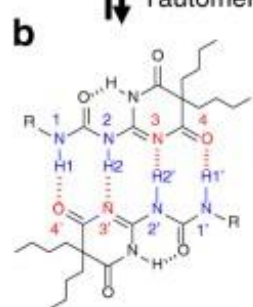




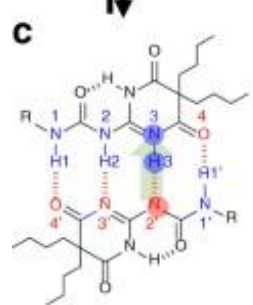




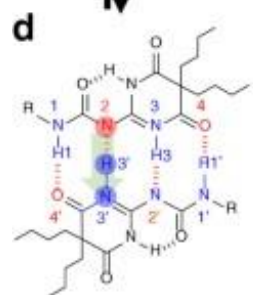
⇌ Tautomerisation



⇌ Proton transfer



⇌ Proton transfer



⇌ Tautomerisation

